# Comments On The Patent Application Drafting Assignment

#### I. Background

A. Most people probably found it more difficult to write the background than the DD because ICOA gives you a structure/outline and a starting point for your efforts. It's much more difficult to get started when you have no structure, right?

Now that you have written the response to the Office Action, would you have written your Background differently?

B. Especially post *KSR*, the Background can be taken as admitted prior art.

Most people did well in not disclosing their invention in the Background,
but remember that we no longer want to recite "long-felt needs" or other

"motivational" statements in the Background because Examiners are using them against us.

"Providing power to an electronic device based on the amount of exercise" is too much for the Background (more below). Reciting

- C. The Background is a great opportunity for you to do some subtle advocacy for your invention. You can view it as kind of a pre-emptive response to an Office Action. For example, you disclose several prior art references in your IDS the odds that the Examiner will cite those references against you go way, way down if you do a good job distinguishing from them in the Background. Some people go so far as to use the "1) reference teaches, 2) reference does not teach" structure that we saw for responses to 102 rejections.
- D. Did you disclose all of the prior art references that you knew? Both the patents and publications and the websites? More importantly, did you use the Background as your opportunity to point out the shortcomings of the prior art so that the Examiner would be able to appreciate your invention better as he reads the Detailed Description? Be aware that the Examiner typically believes what you write in the background with regard to the PA

- and doubts your later responses to office actions. Disclosing the PA references can help you more clearly point out to the Examiner what is missing in the prior art.
- E. When we talk about the prior art, give the Examiner some specific "hard" difference to focus on. By "hard" we mean something that the Examiner can focus on as a potential claim limitation that differentiates you from the prior art. The fact that a specific feature is not there is a hard difference. Just stating that the prior art is not "convenient" or "satisfactory" or any other "value word" it not a hard difference that appeals to the Examiner or buys you distinction for your claims. Focus on elements that you can differentiate in your claims.
- F. As you are writing the background, think about what you are writing.

  How does it advance the ball? How does it help the Examiner understand your differences from the prior art? How does it create a clear differentiation in the mind of the Examiner between my invention and the prior art? Are you discussing specific differences that are meaningful to your claims?
- G. Don't just point out something in the prior art and then move on. When you are pointing something out, you are doing so for a reason. STATE THE REASON. Why is the fact that you have highlighted important? What should the Examiner remember for later when he is looking at the claims with regard to what you just pointed out? Write out the conclusion that necessarily follows from the facts that you have just related. Don't assume that the user will make the same decision with regard to the facts that you did. Be specific. Be clear.

EXAMPLE: "Prior art system is heavy and inconvenient"
Why does this matter? Emphasize the technological reason underlying this statement to provide a "hard" limitation for the Examiner. For example, the prior art may be heavy because they are including a highly sensitive and multi-directional responsive sensor that consumes a lot of power. Also, they are in constant contact with a base station which

- requires that they have to carry a wireless communication system and even more batteries to power the communication system.
- H. Remember that the Background is linked to your claims. Specifically, you are pointing out that the prior art does not teach what will be in your claims. You are focusing on the absence in the prior art of a specific feature that will later be appearing in your claims.
- I. Most people need better descriptions of the prior art's limitations in order to make their advocacy more effective
   Not quite the level of disclosure of the DD, but we want it to be clear to the Examiner what is going on
   That is, the Examiner needs to be clear about the SPECIFIC differences between your device and PA
  - 1) What PA does
  - 2) What PA does not do
  - 3) Why that matters

#### II. Detailed Description

- A. Validation This is your last opportunity to point out the differences between your invention and the prior art that you will have before the Examiner looks at your claims. Make it powerfully persuasive. Link back to the Background. Be specific about limitations that are in your embodiments, but not in the prior art.
  - 1. We need a positive recitation of the structure or function, not just a blanket statement that "thus the present system is more convenient"
  - 2. Sometimes this is hard for people to write because they feel like they just described everything in the previous 30 pages, why should they summarize it here?- Pretend that the Examiner did not read the spec (or did not read it thoroughly) and is just skipping to the end. Not that they would ever do that, right? No, of course not.

#### III. General comments

- A. Get rid of the woulda-shoulda-coulda
- B. Don't use words that are legal terms consist, enable, obvious
- C. Don't use Latin or legal terms stick with English
  No via, supra, infra, e.g
- D. Redeemer is a bad term it was bad from the start, but got stuck in your head. This is an example of what we attempt to avoid by not reading the Examiner's comments.

Here's one way to help you tell if a term is bad. What if the invention disclosure called it "the Activator" instead of "the Redeemer"? Would you ever have chosen the term "Redeemer" to describe the device? No, you would not. You can perform this same exercise with other words.

- E. Cross-Reference to Related Applications you don't have one, so you can dump it if you want. It's not wrong if you include it, but it will be printed like that in the issued patent.
- F. If I strike-through something in your application, I am calling your attention to it.

#### IV. Field of the Invention

- A. Lots of people tried to turn the Field of the Invention Statement into a Summary statement. However, this is still the Background and we don't want to disclose the invention.
- B. Why have a Field statement? Help classify patent.

Review Classifications and sub-classes

http://www.uspto.gov/go/classification/selectnumwithtitle.htm

How about class 702/160?

If we are aiming there, maybe we would say something like:

"The present invention generally relates to a system for processing data received from a pedometer."

#### **United States Patent and Trademark Office**

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| Class | N  | 111 | m   | h  | ۱۵ | - 2 | n  | А | Т   | itl | ۵ |
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| Class | ıv | u   | 111 | IJ | CI | а   | 11 | u | - 1 | ιLI |   |

- Go 002 Apparel
- Go 004 Baths, closets, sinks, and spittoons
- Go 005 Beds
- Go 007 Compound tools
- Go 008 Bleaching and dyeing; fluid treatment and chemical modification of textiles and fibers
- Go 012 Boot and shoe making
- Go 014 Bridges
- Go 015 Brushing, scrubbing, and general cleaning
- Go 016 Miscellaneous hardware (e.g., bushing, carpet fastener, caster, door closer, panel hanger, attachable or adjunct handle, hinge, window sash balance, etc.)
- G<sub>0</sub> 019 Textiles: fiber preparation
- G<sub>0</sub> 023 Chemistry: physical processes
- Go 024 Buckles, buttons, clasps, etc.
- Go 026 Textiles: cloth finishing
- Go 027 Undertaking
- Go 028 Textiles: manufacturing
- Go 029 Metal working
- Go 030 Cutlery
- Go 033 Geometrical instruments
- Go 034 Drying and gas or vapor contact with solids



| Go   | 036  | Boots, shoes, and leggings  |
|--|------|---|
| Go   | 037  | Excavating  |
| Go   | 038  | Textiles: ironing or smoothing  |
| Go   | 040  | Card, picture, or sign exhibiting   |
| Go   | 042  | Firearms  |
| Go   | 043  | Fishing, trapping, and vermin destroying  |
| Go   | 044  | Fuel and related compositions   |
| Go   | 047  | Plant husbandry   |
| Go   | 048  | Gas: heating and illuminating   |
| Go   | 049  | Movable or removable closures   |
|  | Clas | s Number and Title  |
| Go   | 051  | Abrasive tool making process, material, or composition  |
| Go   | 052  | Static structures (e.g., buildings)   |
| Go   | 053  | Package making  |
| Go   | 054  | Harness for working animal  |
| Go   | 055  | Gas separation  |
| Go   | 056  | Harvesters  |
| Go   | 057  | Textiles: spinning, twisting, and twining   |
| Go   | 059  | Chain, staple, and horseshoe making   |
| Go   | 060  | Power plants  |
| Go   | 062  | Refrigeration   |
| Go   | 063  | Jewelry   |
| Go   | 065  | Glass manufacturing   |
| Go   | 066  | Textiles: knitting  |
| Go   | 068  | Textiles: fluid treating apparatus  |
| Go   | 069  | Leather manufactures  |
| Go   | 070  | Locks   |
| Go   | 071  | Chemistry: fertilizers  |
| Go   | 072  | Metal deforming   |
| Go   | 073  | Measuring and testing   |
| Go   | 074  | Machine element or mechanism  |
| Go   | 075  | Specialized metallurgical processes, compositions for use therein, consolidated metal powder compositions, and loose metal particulate mixtures |
| <ul> <li>2000000000000000000000000000000000000</li></ul> |      |   |

076 Metal tools and implements, making



Go

079 Button making Go 081 Tools Go 082 Turning Go 083 Cutting Go 084 Music Go 086 Ammunition and explosive-charge making Go 087 Textiles: braiding, netting, and lace making Go Class Number and Title 089 Ordnance Go 091 Motors: expansible chamber type Go 092 Expansible chamber devices Go. 095 Gas separation: processes Go 096 Gas separation: apparatus Go 099 Foods and beverages: apparatus Go Go 100 Presses 101 Printing Go 102 Ammunition and explosives Go 104 Railways Go 105 Railway rolling stock Go 106 Compositions: coating or plastic Go Go 108 Horizontally supported planar surfaces 109 Safes, bank protection, or a related device Go Go 110 Furnaces Go 111 Planting 112 Sewing Go 114 Ships Go Go 116 Signals and indicators 117 Single-crystal, oriented-crystal, and epitaxy growth processes; non-coating Go apparatus therefor 118 Coating apparatus Go 119 Animal husbandry Go 122 Liquid heaters and vaporizers Go 123 Internal-combustion engines Go

124 Mechanical guns and projectors

Go

Go 125 Stone working 126 Stoves and furnaces Go 127 Sugar, starch, and carbohydrates Go 128 Surgery Go Class Number and Title 131 Tobacco Go 132 Toilet Go 134 Cleaning and liquid contact with solids Go 135 Tent, canopy, umbrella, or cane Go 136 Batteries: thermoelectric and photoelectric Go 137 Fluid handling Go 138 Pipes and tubular conduits Go 139 Textiles: weaving Go 140 Wireworking Go 141 Fluent material handling, with receiver or receiver coacting means Go 142 Wood turning Go 144 Woodworking Go 147 Coopering Go 148 Metal treatment Go 149 Explosive and thermic compositions or charges Go 150 Purses, wallets, and protective covers Go 152 Resilient tires and wheels Go 156 Adhesive bonding and miscellaneous chemical manufacture Go 157 Wheelwright machines Go 159 Concentrating evaporators Go 160 Flexible or portable closure, partition, or panel Go 162 Paper making and fiber liberation Go Go 163 Needle and pin making 164 Metal founding Go 165 Heat exchange Go 166 Wells Go 168 Farriery Go



Go

169 Fire extinguishers

- Go 171 Unearthing plants or buried objects
  - Class Number and Title
- Go 172 Earth working
- Go 173 Tool driving or impacting
- Go 174 Electricity: conductors and insulators
- Go | 175 Boring or penetrating the earth
- Go 177 Weighing scales
- Go 178 Telegraphy
- G<sub>0</sub> 180 Motor vehicles
- Go 181 Acoustics
- Go | 182 Fire escape, ladder, or scaffold
- Go 184 Lubrication
- Go 185 Motors: spring, weight, or animal powered
- Go | 186 Merchandising
- Go 187 Elevator, industrial lift truck, or stationary lift for vehicle
- Go 188 Brakes
- Go | 190 Trunks and hand-carried luggage
- Go 191 Electricity: transmission to vehicles
- Go 192 Clutches and power-stop control
- Go 193 Conveyors, chutes, skids, guides, and ways
- Go 194 Check-actuated control mechanisms
- Go 196 Mineral oils: apparatus
- Go 198 Conveyors: power-driven
- G<sub>0</sub> 199 Type casting
- Go 200 Electricity: circuit makers and breakers
- Go 201 Distillation: processes, thermolytic
- G<sub>0</sub> 202 Distillation: apparatus
- G<sub>0</sub> 203 Distillation: processes, separatory
- Go 204 Chemistry: electrical and wave energy
- Go 205 Electrolysis: processes, compositions used therein, and methods of preparing the compositions
- Go 206 Special receptacle or package
  - Class Number and Title
- Go 208 Mineral oils: processes and products



- Go 209 Classifying, separating, and assorting solids
  Go 210 Liquid purification or separation
  Go 211 Supports: racks
- Go 211 Supports: racks
  Go 212 Traversing hoists
- Go 213 Railway draft appliances
- Go 215 Bottles and jars
- Go 216 Etching a substrate: processes
- Go 217 Wooden receptacles
- Go 218 High-voltage switches with arc preventing or extinguishing devices
- Go 219 Electric heating
- Go 220 Receptacles
- Go 221 Article dispensing
- Go 222 Dispensing
- Go 223 Apparel apparatus
- Go 224 Package and article carriers
- Go 225 Severing by tearing or breaking
- Go 226 Advancing material of indeterminate length
- G<sub>0</sub> 227 Elongated-member-driving apparatus
- Go 228 Metal fusion bonding
- Go 229 Envelopes, wrappers, and paperboard boxes
- G<sub>0</sub> 231 Whips and whip apparatus
- G<sub>0</sub> 232 Deposit and collection receptacles
- Go 234 Selective cutting (e.g., punching)
- G<sub>0</sub> 235 Registers
- Go 236 Automatic temperature and humidity regulation
- G<sub>0</sub> 237 Heating systems
- Go 238 Railways: surface track
- Go 239 Fluid sprinkling, spraying, and diffusing
  - Class Number and Title
- Go 241 Solid material comminution or disintegration
- G<sub>0</sub> 242 Winding, tensioning, or guiding
- Go 244 Aeronautics and astronautics
- Go 245 Wire fabrics and structure



| 246  | Railway switches and signals  |
|------|---|
| 248  | Supports  |
| 249  | Static molds  |
| 250  | Radiant energy  |
| 251  | Valves and valve actuation  |
| 252  | Compositions  |
| 254  | Implements or apparatus for applying pushing or pulling force   |
| 256  | Fences  |
| 257  | Active solid-state devices (e.g., transistors, solid-state diodes)  |
| 258  | Railway mail delivery   |
| 260  | Chemistry of carbon compounds   |
| 261  | Gas and liquid contact apparatus  |
| 264  | Plastic and nonmetallic article shaping or treating: processes  |
| 266  | Metallurgical apparatus   |
| 267  | Spring devices  |
| 269  | Work holders  |
| 270  | Sheet-material associating  |
| 271  | Sheet feeding or delivering   |
| 273  | Amusement devices: games  |
| 276  | Typesetting   |
| 277  | Seal for a joint or juncture  |
| 278  | Land vehicles: animal draft appliances  |
| 279  | Chucks or sockets   |
| 280  | Land vehicles   |
| 281  | Books, strips, and leaves   |
| Clas | s Number and Title  |
| 283  | Printed matter  |
| 285  | Pipe joints or couplings  |
| 289  | Knots and knot tying  |
| 290  | Prime-mover dynamo plants   |
| 291  | Track sanders   |
| 292  | Closure fasteners   |
| 293  | Vehicle fenders   |
|      | 248 249 250 251 252 254 256 257 258 260 261 264 266 267 269 270 271 273 276 277 278 279 280 281 Class 283 285 289 290 291 292 |



| Go | 294   | Handling: hand and hoist-line implements                                 |
|----|-------|--|
| Go | 295   | Railway wheels and axles   |
| Go | 296   | Land vehicles: bodies and tops   |
| Go | 297   | Chairs and seats   |
| Go | 298   | Land vehicles: dumping   |
| Go | 299   | Mining or in situ disintegration of hard material                        |
| Go | 300   | Brush, broom, and mop making   |
| Go | 301   | Land vehicles: wheels and axles  |
| Go | 303   | Fluid-pressure and analogous brake systems                               |
| Go | 305   | Wheel substitutes for land vehicles                                      |
| Go | 307   | Electrical transmission or interconnection systems                       |
| Go | 310   | Electrical generator or motor structure                                  |
| Go | 312   | Supports: cabinet structure  |
| Go | 313   | Electric lamp and discharge devices                                      |
| Go | 314   | Electric lamp and discharge devices: consumable electrodes               |
| Go | 315   | Electric lamp and discharge devices: systems                             |
| Go | 318   | Electricity: motive power systems  |
| Go | 320   | Electricity: battery or capacitor charging or discharging                |
| Go | 322   | Electricity: single generator systems                                    |
| Go | 323   | Electricity: power supply or regulation systems                          |
| Go | 324   | Electricity: measuring and testing                                       |
| Go | 326   | Electronic digital logic circuitry                                       |
|    | Class | Number and Title   |
| Go | 327   | Miscellaneous active electrical nonlinear devices, circuits, and systems |
| Go | 329   | Demodulators   |
| Go | 330   | Amplifiers   |
| Go | 331   | Oscillators  |
| Go | 332   | Modulators   |
| Go | 333   | Wave transmission lines and networks                                     |
| Go | 334   | Tuners   |
| Go | 335   | Electricity: magnetically operated switches, magnets, and electromagnets |
| Go | 336   | Inductor devices   |
| Go | 337   | Electricity: electrothermally or thermally actuated switches             |



| Go 338 Electrical resistors   |
|---|
| Go 340 Communications: electrical   |
| Go 341 Coded data generation or conversion  |
| Go 342 Communications: directive radio wave systems and devices (e.g., radar, radio navigation) |
| Go 343 Communications: radio wave antennas  |
| Go 345 Computer graphics processing and selective visual display systems                        |
| Go 346 Recorders 7  |
| Go 347 Incremental printing of symbolic information   |
| Go 348 Television   |
| Go 349 Liquid crystal cells, elements and systems   |
| Go 351 Optics: eye examining, vision testing and correcting                                     |
| Go 352 Optics: motion pictures  |
| Go 353 Optics: image projectors   |
| Go 355 Photocopying   |
| Go 356 Optics: measuring and testing  |
| Go 358 Facsimile and static presentation processing   |
| Go 359 Optical: systems and elements  |
| Go 360 Dynamic magnetic information storage or retrieval  |
| Go 361 Electricity: electrical systems and devices  |
| Class Number and Title  |
| Go 362 Illumination   |
| Go 363 Electric power conversion systems  |
| G <sub>0</sub> 365 Static information storage and retrieval,                                    |
| Go 366 Agitating  |
| Go 367 Communications, electrical: acoustic wave systems and devices                            |
| Go 368 Horology: time measuring systems or devices  |
| Go 369 Dynamic information storage or retrieval   |
| Go 370 Multiplex communications   |
| Go 372 Coherent light generators  |
| Go 373 Industrial electric heating furnaces   |
| Go 374 Thermal measuring and testing  |
| G <sub>0</sub> 375 Pulse or digital communications  |
| Go 376 Induced nuclear reactions: processes, systems, and elements                              |

| Go                         | 377 Electrical pulse counters, pulse dividers, or shift registers: circuits and systems  |   |
|----------------------------|--|---|
| Go                         | 378 X-ray or gamma ray systems or devices  |   |
| Go                         | 379 Telephonic communications  |   |
| Go                         | 380 Cryptography   |   |
| Go                         | 381 Electrical audio signal processing systems and devices   |   |
| Go                         | 382 Image analysis   |   |
| Go                         | 383 Flexible bags  |   |
| Go                         | 384 Bearings   |   |
| Go                         | 385 Optical waveguides   |   |
| Go                         | 386 Television signal processing for dynamic recording or reproducing  |   |
| Go                         | 388 Electricity: motor control systems   |   |
| Go                         | 392 Electric resistance heating devices  |   |
| Go                         | 396 Photography  |   |
| Go                         | 398 Optical communications   |   |
| Go                         | 399 Electrophotography   |   |
| Go                         | 400 Typewriting machines   |   |
|                            |  |   |
|                            | Class Number and Title   |   |
| Go                         | Class Number and Title 401 Coating implements with material supply   |   |
| Go Go                      |  |   |
| 833557556575               | 401 Coating implements with material supply  |   |
| Go                         | <ul><li>401 Coating implements with material supply</li><li>402 Binder device releasably engaging aperture or notch of sheet</li></ul>   |   |
| Go.                        | <ul><li>401 Coating implements with material supply</li><li>402 Binder device releasably engaging aperture or notch of sheet</li><li>403 Joints and connections</li></ul>  |   |
| Go<br>Go                   | <ul> <li>401 Coating implements with material supply</li> <li>402 Binder device releasably engaging aperture or notch of sheet</li> <li>403 Joints and connections</li> <li>404 Road structure, process, or apparatus</li> </ul>   |   |
| Go<br>Go<br>Go             | <ul> <li>401 Coating implements with material supply</li> <li>402 Binder device releasably engaging aperture or notch of sheet</li> <li>403 Joints and connections</li> <li>404 Road structure, process, or apparatus</li> <li>405 Hydraulic and earth engineering</li> </ul>  |   |
| Go<br>Go<br>Go             | <ul> <li>401 Coating implements with material supply</li> <li>402 Binder device releasably engaging aperture or notch of sheet</li> <li>403 Joints and connections</li> <li>404 Road structure, process, or apparatus</li> <li>405 Hydraulic and earth engineering</li> <li>406 Conveyors: fluid current</li> </ul>  |   |
| Go<br>Go<br>Go<br>Go       | <ul> <li>401 Coating implements with material supply</li> <li>402 Binder device releasably engaging aperture or notch of sheet</li> <li>403 Joints and connections</li> <li>404 Road structure, process, or apparatus</li> <li>405 Hydraulic and earth engineering</li> <li>406 Conveyors: fluid current</li> <li>407 Cutters, for shaping</li> </ul>  |   |
| Go<br>Go<br>Go<br>Go<br>Go | <ul> <li>401 Coating implements with material supply</li> <li>402 Binder device releasably engaging aperture or notch of sheet</li> <li>403 Joints and connections</li> <li>404 Road structure, process, or apparatus</li> <li>405 Hydraulic and earth engineering</li> <li>406 Conveyors: fluid current</li> <li>407 Cutters, for shaping</li> <li>408 Cutting by use of rotating axially moving tool</li> </ul>  |   |
| Go Go Go Go Go             | <ul> <li>401 Coating implements with material supply</li> <li>402 Binder device releasably engaging aperture or notch of sheet</li> <li>403 Joints and connections</li> <li>404 Road structure, process, or apparatus</li> <li>405 Hydraulic and earth engineering</li> <li>406 Conveyors: fluid current</li> <li>407 Cutters, for shaping</li> <li>408 Cutting by use of rotating axially moving tool</li> <li>409 Gear cutting, milling, or planing</li> </ul>   |   |
| Go Go Go Go Go             | 401 Coating implements with material supply 402 Binder device releasably engaging aperture or notch of sheet 403 Joints and connections 404 Road structure, process, or apparatus 405 Hydraulic and earth engineering 406 Conveyors: fluid current 407 Cutters, for shaping 408 Cutting by use of rotating axially moving tool 409 Gear cutting, milling, or planing 410 Freight accommodation on freight carrier 411 Expanded, threaded, driven, headed, tool-deformed, or locked-threaded  |   |
| Go Go Go Go Go Go Go       | <ul> <li>401 Coating implements with material supply</li> <li>402 Binder device releasably engaging aperture or notch of sheet</li> <li>403 Joints and connections</li> <li>404 Road structure, process, or apparatus</li> <li>405 Hydraulic and earth engineering</li> <li>406 Conveyors: fluid current</li> <li>407 Cutters, for shaping</li> <li>408 Cutting by use of rotating axially moving tool</li> <li>409 Gear cutting, milling, or planing</li> <li>410 Freight accommodation on freight carrier</li> <li>411 Expanded, threaded, driven, headed, tool-deformed, or locked-threaded fastener</li> </ul> |   |
| Go Go Go Go Go Go Go Go    | 401 Coating implements with material supply 402 Binder device releasably engaging aperture or notch of sheet 403 Joints and connections 404 Road structure, process, or apparatus 405 Hydraulic and earth engineering 406 Conveyors: fluid current 407 Cutters, for shaping 408 Cutting by use of rotating axially moving tool 409 Gear cutting, milling, or planing 410 Freight accommodation on freight carrier 411 Expanded, threaded, driven, headed, tool-deformed, or locked-threaded fastener 412 Bookbinding: process and apparatus  | I |



416 Fluid reaction surfaces (i.e., impellers) Go 417 Pumps Go 418 Rotary expansible chamber devices Go 419 Powder metallurgy processes Go 420 Alloys or metallic compositions Go 422 Chemical apparatus and process disinfecting, deodorizing, preserving, or Go sterilizing 423 Chemistry of inorganic compounds Go 424 Drug, bio-affecting and body treating compositions Go 425 Plastic article or earthenware shaping or treating: apparatus Go 426 Food or edible material: processes, compositions, and products Go 427 Coating processes Go 428 Stock material or miscellaneous articles Go 429 Chemistry: electrical current producing apparatus, product, and process Go 430 Radiation imagery chemistry: process, composition, or product thereof Go Class Number and Title 431 Combustion Go Go 432 Heating 433 Dentistry Go | Go 434 Education and demonstration 435 Chemistry: molecular biology and microbiology Go 436 Chemistry: analytical and immunological testing Go 438 Semiconductor device manufacturing: process Go 439 Electrical connectors Go Go 440 Marine propulsion 441 Buoys, rafts, and aquatic devices Go 442 Fabric (woven, knitted, or nonwoven textile or cloth, etc.) Go 445 Electric lamp or space discharge component or device manufacturing Go 446 Amusement devices: toys Go 449 Bee culture Go 450 Foundation garments Go 451 Abrading Go 452 Butchering Go



Go

453 Coin handling

| Go | 454  | Ventilation   |
|----|------|---|
| Go | 455  | Telecommunications  |
| Go | 460  | Crop threshing or separating  |
| Go | 462  | Books, strips, and leaves for manifolding   |
| Go | 463  | Amusement devices: games  |
| Go | 464  | Rotary shafts, gudgeons, housings, and flexible couplings for rotary shafts   |
| Go | 470  | Threaded, headed fastener, or washer making: process and apparatus  |
| Go | 472  | Amusement devices   |
| Go | 473  | Games using tangible projectile   |
| Go | 474  | Endless belt power transmission systems or components   |
| Go | 475  | Planetary gear transmission systems or components   |
|    | Clas | s Number and Title  |
| Go | 476  | Friction gear transmission systems or components  |
| Go | 477  | Interrelated power delivery controls, including engine control  |
| Go | 482  | Exercise devices  |
| Go | 483  | Tool changing   |
| Go | 492  | Roll or roller  |
| Go | 493  | Manufacturing container or tube from paper; or other manufacturing from a sheet or web  |
| Go | 494  | Imperforate bowl: centrifugal separators  |
| Go | 501  | Compositions: ceramic   |
| Go | 502  | Catalyst, solid sorbent, or support therefor: product or process of making  |
| Go | 503  | Record receiver having plural interactive leaves or a colorless color former, method of use, or developer therefor  |
| Go | 504  | Plant protecting and regulating compositions  |
| Go | 505  | Superconductor technology: apparatus, material, process   |
| G0 | 506  | Combinatorial chemistry technology: method, library, apparatus  |
| Go | 507  | Earth boring, well treating, and oil field chemistry  |
| Go | 508  | Solid anti-friction devices, materials therefor, lubricant or separant compositions for moving solid surfaces, and miscellaneous mineral oil compositions |
| Go | 510  | Cleaning compositions for solid surfaces, auxiliary compositions therefor, or processes of preparing the compositions                                     |
| Go | 512  | Perfume compositions  |
| Go | 514  | Drug, bio-affecting and body treating compositions  |
| Go | 516  | Colloid systems and wetting agents; subcombinations thereof; processes of   |



518 Chemistry: fischer-tropsch processes; or purification or recovery of products Go thereof 520 Synthetic resins or natural rubbers -- part of the class 520 series Go Go 521 Synthetic resins or natural rubbers -- part of the class 520 series Go 522 Synthetic resins or natural rubbers -- part of the class 520 series 523 Synthetic resins or natural rubbers -- part of the class 520 series Go 524 Synthetic resins or natural rubbers -- part of the class 520 series Go 525 Synthetic resins or natural rubbers -- part of the class 520 series Go 526 Synthetic resins or natural rubbers -- part of the class 520 series Go 527 Synthetic resins or natural rubbers -- part of the class 520 series Go 528 Synthetic resins or natural rubbers -- part of the class 520 series Go Class Number and Title 530 Chemistry: natural resins or derivatives; peptides or proteins; lignins or Go reaction products thereof 532 Organic compounds -- part of the class 532-570 series Go 534 Organic compounds -- part of the class 532-570 series Go 536 Organic compounds -- part of the class 532-570 series Go 540 Organic compounds -- part of the class 532-570 series Go 544 Organic compounds -- part of the class 532-570 series Go 546 Organic compounds -- part of the class 532-570 series Go 548 Organic compounds -- part of the class 532-570 series Go 549 Organic compounds -- part of the class 532-570 series Go 552 Organic compounds -- part of the class 532-570 series Go 554 Organic compounds -- part of the class 532-570 series Go Go 556 Organic compounds -- part of the class 532-570 series 558 Organic compounds -- part of the class 532-570 series Go 560 Organic compounds -- part of the class 532-570 series Go 562 Organic compounds -- part of the class 532-570 series Go 564 Organic compounds -- part of the class 532-570 series Go 568 Organic compounds -- part of the class 532-570 series Go 570 Organic compounds -- part of the class 532-570 series Go Go 585 Chemistry of hydrocarbon compounds 588 Hazardous or toxic waste destruction or containment Go 600 Surgery Go



| Go | 601  | Surgery: kinesitherapy  |
|----|------|---|
| Go | 602  | Surgery: splint, brace, or bandage  |
| Go | 604  | Surgery   |
| Go | 606  | Surgery   |
| Go | 607  | Surgery: light, thermal, and electrical application   |
| Go | 623  | Prosthesis (i.e., artificial body members), parts thereof, or aids and accessories therefor                                 |
| Go | 700  | Data processing: generic control systems or specific applications   |
| Go | 701  | Data processing: vehicles, navigation, and relative location  |
|    | Clas | s Number and Title  |
| Go | 702  | Data processing: measuring, calibrating, or testing   |
| Go | 703  | Data processing: structural design, modeling, simulation, and emulation   |
| Go | 704  | Data processing: speech signal processing, linguistics, language translation, and audio compression/decompression           |
| Go | 705  | Data processing: financial, business practice, management, or cost/price determination                                      |
| Go | 706  | Data processing: artificial intelligence  |
| Go | 707  | Data processing: database and file management or data structures  |
| Go | 708  | Electrical computers: arithmetic processing and calculating   |
| Go | 709  | Electrical computers and digital processing systems: multicomputer data transferring  |
| Go | 710  | Electrical computers and digital data processing systems: input/output  |
| Go | 711  | Electrical computers and digital processing systems: memory   |
| Go | 712  | Electrical computers and digital processing systems: processing architectures and instruction processing (e.g., processors) |
| Go | 713  | Electrical computers and digital processing systems: support  |
| Go | 714  | Error detection/correction and fault detection/recovery   |
| Go | 715  | Data processing: presentation processing of document, operator interface processing, and screen saver display processing    |
| Go | 716  | Data processing: design and analysis of circuit or semiconductor mask   |
| Go | 717  | Data processing: software development, installation, and management   |
| Go | 718  | Electrical computers and digital processing systems: virtual machine task or process management or task management/control  |
| Go | 719  | Electrical computers and digital processing systems: interprogram communication or interprocess communication (ipc)         |
| Go | 720  | Dynamic optical information storage or retrieval  |
| Go | 725  | Interactive video distribution systems  |

(14)

| Go | 726   | Information security   |
|----|-------|--|
| Go | 800   | Multicellular living organisms and unmodified parts thereof and related processes  |
| Go | 850   | Scanning-probe techniques or apparatus; applications of scanning-probe techniques, e.g., scanning probe microscopy [spm]       |
| Go | 901   | Robots   |
| Go | 902   | Electronic funds transfer  |
| Go | 903   | Hybrid electric vehicles (hevs)  |
| Go | 930   | Peptide or protein sequence  |
| Go | 968   | Horology   |
| Go | 976   | Nuclear technology   |
|    | Class | s Number and Title   |
| Go | 977   | Nanotechnology   |
| Go | 984   | Musical instruments  |
| Go | 987   | Organic compounds containing a bi, sb, as, or p atom or containing a metal atom of the 6th to 8th group of the periodic system |
| Go | D01   | Edible products  |
| Go | D02   | Apparel and haberdashery  ### DJSZ6NS  |
| Go | D03   | Travel goods and personal belongings   |
| Go | D04   | Brushware  |
| Go | D05   | Textile or paper yard goods; sheet material  |
| Go | D06   | Furnishings  |
| Go | D07   | Equipment for preparing or serving food or drink not elsewhere specified   |
| Go | D08   | Tools and hardware   |
| Go | D09   | Packages and containers for goods  |
| Go | D10   | Measuring, testing, or signalling instruments  |
| Go | D11   | Jewelry, symbolic insignia, and ornaments  |
| Go | D12   | Transportation   |
| Go | D13   | Equipment for production, distribution, or transformation of energy  |
| Go | D14   | Recording, communication, or information retrieval equipment   |
| Go | D15   | Machines not elsewhere specified   |
| Go | D16   | Photography and optical equipment  |
| Go | D17   | Musical instruments  |
| Go | D18   | Printing and office machinery  |
| Go | D19   | Office supplies; artists` and teachers` materials  |

| Go | D20 Sales and advertising equipment  |
|----|--|
| Go | D21 Games, toys, and sports goods  |
| Go | D22 Arms, pyrotechnics, hunting and fishing equipment                        |
| Go | D23 Environmental heating and cooling; fluid handling and sanitary equipment |
| Go | D24 Medical and laboratory equipment   |
| Go | D25 Building units and construction elements                                 |
| Go | D26 Lighting   |
|    | Class Number and Title   |
| Go | D27 Tobacco and smokers' supplies  |
| Go | D28 Cosmetic products and toilet articles                                    |
| Go | D29 Equipment for safety, protection, and rescue                             |
| Go | D30 Animal husbandry   |
| Go | D32 Washing, cleaning, or drying machine                                     |
| Go | D34 Material or article handling equipment                                   |
| Go | D99 Miscellaneous  |
| Go | PLT Plants   |
|    |  |

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### Class 702 DATA PROCESSING: MEASURING, CALIBRATING, OR TESTING

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| _ | Δ                       |   | 1  | MEASUREMENT SYSTEM IN A SPECIFIC ENVIRONMENT                        |
|---|-------------------------|---|----|---|
| _ | $\overline{\mathbf{U}}$ |   | 2  | · Earth science   |
| _ | $\Omega$                |   | 3  | ·· Weather  |
|   | Ω                       |   | 4  | ··· Lightning   |
|   |                         | 1 | 5  | ·· Topography (e.g., land mapping)                                  |
| _ | Ω                       |   | 6  | Well logging or borehole study                                      |
|   |                         |   | 7  | By induction or resistivity logging tool                            |
|   |                         |   | 8  | ··· By radiation (e.g., nuclear, gamma, X-ray)                      |
|   |                         |   | 9  | ··· Drilling  |
|   | Ω                       | 1 | 10 | ··· Dipmeter  |
| _ |                         | 1 | 11 | ··· Formation characteristic  |
| _ | 1.                      |   | 12 | ···· Fluid flow investigation                                       |
|   | <u>ı</u>                |   | 13 | ····- Hydrocarbon prospecting                                       |
| _ | Ω                       |   | 14 | ·· Seismology   |
|   |                         |   | 15 | ··· Earthquake or volcanic activity                                 |
|   |                         |   | 16 | Specific display system (e.g., mapping, profiling)                  |
|   | Ω                       | 1 | 17 | ··· Filtering or noise reduction/removal                            |
|   | Ω                       |   | 18 | ··· Velocity of seismic wave  |
| _ | 1                       |   | 19 | · Biological or biochemical   |
|   | 1                       |   | 20 | ·· Gene sequence determination                                      |
|   | 1                       |   | 21 | ·· Cell count or shape or size analysis (e.g., blood cell)          |
| - | 1                       |   | 22 | · Chemical analysis   |
| _ | 1                       |   | 23 | ··· Quantitative determination (e.g., mass, concentration, density) |
|   | <u> </u>                | ! | 24 | ··· Gaseous mixture (e.g., solid-gas, liquid-gas, gas-gas)          |
|   | Ω                       |   | 25 | ··· Liquid mixture (e.g., solid-liquid, liquid-liquid)              |
|   | 1                       |   | 26 | ··· By particle count   |
| - | <u>ı</u>                |   | 27 | ·· Molecular structure or composition determination                 |
|   | 1                       |   | 28 | ··· Using radiant energy  |
|   | 1                       |   | 29 | · Particle size determination                                       |
|   | 0                       |   | 30 | ·· Chemical property analysis                                       |
|   | <u>II</u>               |   | 31 | ·· Specific operation control system                                |
|   | 1                       | 1 | 32 | ·· Specific signal data processing                                  |
| _ |                         |   | 33 | Mechanical measurement system                                       |
|   |                         |   | 34 | ·· Wear or deterioration evaluation                                 |
| _ |                         | 1 | 35 | ·· Flaw or defect detection   |
|   | 1                       |   | 36 | ··· Location  |
|   | 1                       |   | 38 | ··· Electromagnetic (e.g., eddy current)                            |
|   |                         |   |    |   |

http://www.uspto.gov/go/classification/uspc702/sched702.htm

|   |           | 127 |    |   |
|---|-----------|-----|----|---|
|   | Δ         |     | 39 | ··· Sound energy (e.g., ultrasonic)   |
|   | Δ         |     | 40 | ··· Radiant energy (e.g., X-ray, infrared, laser)                           |
| - | Δ         |     | 41 | <ul> <li>Force or torque measurement</li> </ul>                             |
| - | Δ         |     | 42 | ··· Stress or strain measurement  |
|   | Δ         |     | 43 | ···· Torsional, shear, tensile, or compression                              |
|   |           |     | 44 | Mechanical work or power measurement  |
| - |           |     | 45 | ·· Flow metering  |
|   |           |     | 46 | ··· Count or pulse  |
|   |           |     | 47 | ··· Pressure, resistive, or capacitive sensor                               |
|   | 11        |     | 48 | ··· Acoustic  |
|   |           |     | 49 | ··· Radiant energy  |
| - |           |     | 50 | ·· Fluid measurement (e.g., mass, pressure, viscosity)                      |
|   |           |     | 51 | ··· Leak detecting  |
|   |           |     | 52 | ··· Capacitive sensor   |
|   | 1         | 1   | 53 | ··· Resistive sensor  |
|   | Ш         |     | 54 | ··· Acoustic or vibration sensor  |
|   | Ω         |     | 55 | ··· Liquid level or volume determination                                    |
|   | O         |     | 56 | · Vibration detection   |
| - |           |     | 57 | <ul> <li>Electrical signal parameter measurement system</li> </ul>          |
| - | Ω         |     | 58 | · For electrical fault detection  |
|   | 1         |     | 59 | ··· Fault location  |
| - | Ω         |     | 60 | · Power parameter   |
| - |           |     | 61 | ··· Power logging (e.g., metering)  |
|   |           |     | 62 | ···· Including communication means  |
|   | <u>II</u> |     | 63 | ··· Battery monitoring  |
| - | Ц         |     | 64 | ·· Voltage or current   |
|   |           |     | 65 | ··· Including related electrical parameter                                  |
| - |           | 1   | 66 | ·· Waveform analysis  |
| - | Ω         |     | 67 | ··· Display of waveform   |
|   |           |     | 68 | ···· Having specified user interface (e.g., marker, menu)                   |
|   | О         |     | 69 | ··· Signal quality (e.g., timing jitter, distortion, signal-to-noise ratio) |
|   |           |     | 70 | ··· Waveform extraction   |
| - | Ω         |     | 71 | ··· Waveform-to-waveform comparison   |
|   |           |     | 72 | ··· Phase comparison  |
|   | Ū         |     | 73 | ···· Identification of waveform   |
|   | Ω         |     | 74 | ···· Signal-in-signal determination   |
| - |           |     | 75 | ··· Frequency   |
| - | 1         |     | 76 | ···· Frequency spectrum   |
|   | 11        |     | 77 | ···- Using Fourier method   |
|   |           |     | 78 | ···· By count (e.g., pulse)   |
|   |           |     | 79 | ·· Time-related parameter (e.g., pulse-width, period, delay, etc.)          |
|   |           | I   | 80 | ·· Specified memory location generation for storage                         |
| _ | 1         | I   | 81 | · Quality evaluation  |
|   | Ū         |     | 82 | ·· Having judging means (e.g., accept/reject)                               |
|   | Ω         | 1   | 83 | ·· Sampling Inspection Plan   |
|   | ū         | 1   | 84 | ·· Quality control  |
| _ | Δ         |     | 85 | CALIBRATION OR CORRECTION SYSTEM  |
|   |           |     | 86 | · Linearization of measurement  |
|   |           |     | 87 | · Zeroing (e.g., null)  |
|   |           |     | 88 | · Zero-full scaling   |
|   |           |     |    |   |

|   | EPROFE. | ы |     |   |
|---|---------|---|-----|---|
|   | Δ       |   | 89  | <ul> <li>Timing (e.g., delay, synchronization)</li> </ul>                     |
| - | Δ       |   | 90  | <ul> <li>Error due to component compatibility</li> </ul>                      |
|   | Δ       |   | 91  | <ul> <li>Having interchangeable sensors or probes</li> </ul>                  |
| - |         |   | 92  | <ul> <li>Direction (e.g., compass)</li> </ul>                                 |
|   |         |   | 93  | · By another sensor   |
| - | Δ       |   | 94  | Position measurement  |
|   | П       |   | 95  | ·· Coordinate positioning   |
|   |         |   | 96  | · Speed   |
|   | Δ       |   | 97  | <ul> <li>Length, distance, or thickness</li> </ul>                            |
|   |         |   | 98  | · Pressure  |
|   | Δ       |   | 99  | <ul> <li>Temperature</li> </ul>   |
|   | Δ       |   | 100 | <ul> <li>Fluid or fluid flow measurement</li> </ul>                           |
| - | Δ       |   | 101 | · Weight  |
|   | Δ       |   | 102 | ·· Tare weight adjusted   |
|   |         |   | 103 | · Acoustic  |
|   | Ω       |   | 104 | <ul> <li>Sensor or transducer</li> </ul>                                      |
|   | Ω       |   | 105 | <ul> <li>For mechanical system</li> </ul>                                     |
|   |         |   | 106 | <ul> <li>Signal frequency or phase correction</li> </ul>                      |
|   |         |   | 107 | <ul> <li>Circuit tuning (e.g., potentiometer, amplifier)</li> </ul>           |
| - | Ω       |   | 108 | TESTING SYSTEM  |
| - | Ω       |   | 109 | <ul> <li>For transfer function determination</li> </ul>                       |
|   | Ω       |   | 110 | <ul> <li>Binary signal stimulus (e.g., pulse)</li> </ul>                      |
|   | Ω       |   | 111 | ·· Noise signal stimulus (e.g., white noise)                                  |
|   |         |   | 112 | ·· Sinusoidal signal stimulus   |
| - | П       |   | 113 | <ul> <li>Of mechanical system</li> </ul>                                      |
|   |         |   | 114 | · Pneumatic or hydraulic system   |
|   |         |   | 115 | ·· Electromechanical or magnetic system                                       |
|   |         |   | 116 | Of sensing device   |
| - |         |   | 117 | - Of circuit  |
|   | 1       |   | 118 | ·· Testing multiple circuits  |
|   | Ш       |   | 119 | ·· Including program initialization (e.g., program loading) or code selection |
|   | P251    | П |     | (e.g., program creation)  |
|   | Δ       |   | 120 | <ul> <li>Including input/output or test mode selection means</li> </ul>       |
|   | Ω       |   | 121 | <ul> <li>Including multiple test instruments</li> </ul>                       |
|   | Ω       |   | 122 | <ul> <li>Including specific communication means</li> </ul>                    |
|   | Δ       |   | 123 | <ul> <li>Including program set up</li> </ul>                                  |
| - | Ω       |   | 124 | <ul> <li>Signal generation or waveform shaping</li> </ul>                     |
|   | Δ       |   | 125 | ·· Timing signal  |
|   | Δ       |   | 126 | ·· Signal conversion  |
| - | 1       |   | 127 | MEASUREMENT SYSTEM  |
| - | Δ       |   | 128 | Article count or size distribution  |
|   | Ω       |   | 129 | ·· Quantitative determination by weight                                       |
| - | Δ       |   | 130 | <ul> <li>Temperature measuring system</li> </ul>                              |
|   | Ω       |   | 131 | ·· Body temperature   |
|   | Δ       |   | 132 | ·· Thermal protection   |
|   | Δ       |   | 133 | · By resistive means  |
| - | Ш       |   | 134 | ·· By radiant energy  |
|   | Ш       |   | 135 | ··· Infrared  |
|   | Ш       |   | 136 | ·· Thermal related property   |
|   | Δ       |   | 137 | · Density   |
|   |         |   |     | /   |

| - | Ω                     | 138 | · Pressure   |
|---|-----------------------|-----|--|
|   | Δ.                    | 139 | ·· Exerted on or by a living body                                    |
|   | A P                   | 140 | ·· Within an enclosure   |
|   | Δ                     | 141 | · Accelerometer -  |
| _ |                       | 142 | · Speed  |
|   |                       | 143 | ·  |
|   |                       | 144 | ·· By radar or sonar   |
|   | á e                   |     | ·· Of aircraft   |
| - |                       | 145 | ·· Rotational speed  |
|   |                       | 146 | Averaging performed  |
| - |                       | 147 | Specific mathematical operation performed                            |
|   |                       | 148 | ··· For wheel speed  |
|   | $\boldsymbol{\Omega}$ | 149 | <ul> <li>By distance and time measurement</li> </ul>                 |
| - | Ω                     | 150 | Orientation or position  |
|   | 0                     | 151 | · Angular position   |
| _ | ΩΡ                    | 152 | ·· 3D position   |
|   | ΔΡ                    | 153 | ··· 3D orientation   |
|   |                       | 154 | ·· Inclinometer  |
|   | A P                   | 155 | Dimensional determination  |
| _ | Δ                     | 156 |  |
|   |                       | 157 | ·· Area or volume  |
|   |                       |     | ·· Radius or diameter  |
| - |                       | 158 | ·· Linear distance or length   |
|   | A P                   | 159 | By reflected signal (e.g., ultrasonic, light, laser)                 |
|   | ΔΡ                    | 160 | ··· Pedometer  |
|   | Δ                     | 161 | Electronic ruler   |
|   | ā F                   | 162 | ··· Micrometer   |
| - |                       | 163 | ··· By rotary encoding means   |
|   |                       | 164 | ··· Electronic tape measure  |
|   |                       | 165 | ···· Odometer  |
|   | μ                     | 166 | ·· Height or depth   |
| - |                       | 167 | ·· Contouring  |
|   | Ū                     | 168 | ··· By probe (e.g., contact)   |
|   | T.                    | 169 | ··· Center of gravity  |
| _ | Ω                     | 170 | ·· Thickness or width  |
|   | Δ                     | 171 | ··· By ultrasonic  |
|   | Ω !                   | 172 | ··· By radiant energy (e.g., X-ray, light)                           |
| _ | Ω                     | 173 | · Weight   |
|   | Ω                     | 174 | ·· Payload   |
|   | Δ                     | 175 | ·· Of moving article   |
| _ |                       | 176 | Time duration or rate  |
| _ | A P                   | 177 |  |
|   |                       | 178 | · Due time monitoring (e.g., medication clock, maintenance interval) |
|   |                       | 179 | ·· Timekeeping (e.g., clock, calendar, stopwatch)                    |
| - |                       |     | Statistical measurement  |
|   |                       | 180 | ·· Histogram distribution  |
|   |                       | 181 | · Probability determination  |
| - |                       | 182 | <ul> <li>Performance or efficiency evaluation</li> </ul>             |
| - |                       | 183 | · Diagnostic analysis  |
|   |                       | 184 | ··· Maintenance  |
|   |                       | 185 | ··· Cause or fault identification                                    |
|   |                       | 186 | <ul> <li>Computer and peripheral benchmarking</li> </ul>             |
|   | A P                   | 187 | History logging or time stamping                                     |
|   |                       |     |  |

| - Measured signal processing - 190 |
|------------------------------------|
|------------------------------------|

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FOR137

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FOR138
               · Transfer function evaluation (364/553)
FOR139
               · Statistical data (e.g., stochastic variable) (364/554)
FOR140
               · Particle count, distribution, size (364/555)
       FOR141
                           For basic measurements (364/556)
FOR142
               ... Temperature (364/557)
FOR143
               · Pressure or density (364/558)
FOR144

    Orientation (364/559)

       FOR145
                        .. Dimension (364/560)
       FOR146
                        ... Distance (364/561)
FOR147
               --- Length or height (364/562)
FOR148
               ···· Width or thickness (364/563)
FOR149
               --- Area or volume (364/564)
FOR150
               ·· Rate of change of dimension (e.g., speed) (364/565)
FOR151
               · Acceleration and further derivatives (364/566)
       FOR152
                        ·· Weight (364/567)
FOR153
                   Basis weight (364/568)
FOR154
               .. Time or time intervals (364/569)
       FOR155
                           Operations performed (364/570)
       FOR156
                        · Calibration or compensation
       FOR157
                        ··· Having mathematical operation on initial measurement data (364/571.02)
FOR158
               .... Including environmental factors (e.g., temperature) (364/571.03)
FOR159
                   Including predetermined stored data (364/571.04)
FOR160
                   Using difference involving initial measurement data (364/571.05)
FOR161
               ···· Using analog calculating elements (364/571.06)
FOR162
                  By table look-up (364/571.07)
FOR163
                   Using operator provided data (364/571.08)
FOR164
               ·· Filtering (364/572)
FOR165
               ·· Linearization (364/573)
FOR166

    Noise reduction (364/574)

FOR167

    Averaging (364/575)

FOR168
               · Fourier analysis (364/576)
FOR169
               ·· Interpolation/extrapolation (364/577)
FOR170
               ·· With control of testing or measuring apparatus (364/579)
FOR171

    Programmed testing conditions (364/580)

FOR172
               ·· Weighting (364/581)
FOR173
                 Normalization (364/582)
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## CLASS 702, DATA PROCESSING: MEASURING, CALIBRATING, OR TESTING

127 **MEASUREMENT SYSTEM:** 

155 . Dimensional determination:

158 .. Linear distance or length:

160 ... Pedometer: