

|    |   |      |  |
|----|---|------|--|
| 1  | <b>MARINE VESSEL PORTAGE, LAUNCHING,<br/>OR REMOVING</b>                    | 40   | ..At outlet or intake  |
| 2  | .Rail mounted carrier   | 41   | ...Riser or standpipe outlet or<br>intake  |
| 3  | .Lifting  | 42   | .End cap   |
| 4  | .Dry dock   | 43   | .Porous or apertured pipe, flume,<br>or tileway                                      |
| 5  | ..Fabrication   | 44   | ..Uniform discharge  |
| 6  | ..Gate  | 45   | ..Porous   |
| 7  | ..Vessel support (e.g., bilge or<br>keel block)                             | 46   | ..Earthen bottom   |
| 8  | <b>PRESSURIZED CAISSON</b>  | 47   | ..Flow through joint   |
| 9  | .Having lifting cable   | 48   | ..Open seam or shielded outlet   |
| 10 | .Movable relative to mobile<br>support                                      | 49   | ..Corrugated   |
| 11 | <b>MEANS TO EXPOSE A NORMALLY WETTED<br/>SURFACE, E.G., COFFERDAM, ETC.</b> | 50   | .Porous waterway, e.g., sand<br>drain, etc.  |
| 12 | .Contoured to wetted surface,<br>e.g., side hung ship caisson               | 51   | .Branched flow   |
| 13 | .Having transport, placement, or<br>dislodgement means                      | 52   | <b>FLUID CONTROL, TREATMENT, OR<br/>CONTAINMENT</b>                                  |
| 14 | .Connectable sections   | 53   | .Fluid storage in earthen cavity   |
| 15 | <b>BANK, SHORE, OR BED PROTECTION</b>                                       | 54   | ..With indicator or alarm means  |
| 16 | .Revetment  | 55   | ..Cavity construction  |
| 17 | ..Revetment laying  | 56   | ...Including cooling or heating<br>of material surrounding cavity                    |
| 18 | ..Continuous concrete or concrete<br>filled bag                             | 57   | ...Earth treatment   |
| 19 | ..Mattress  | 58   | ....Dissolving earth   |
| 20 | ...Hinged concrete sections   | 59   | ..Supply or recovery of stored<br>fluid by separate fluid                            |
| 21 | .Wave or flow dissipation   | 60   | .Floatable matter containment  |
| 22 | ..Fluid application   | 60.5 | ..Logging device for guiding logs  |
| 23 | ..Floatable dissipator submerged<br>at site                                 | 61   | ..Ice  |
| 24 | ..Artificial seaweed  | 62   | ..Barrier formed by fluid  |
| 25 | ..Bed supported subsurface<br>dissipator                                    | 63   | ..Floating barrier   |
| 26 | ..Floating  | 64   | ...Submergible   |
| 27 | ...Openwork   | 65   | ...With means to seal space<br>between barrier and fixed<br>structure                |
| 28 | ..Flexibly suspended from or<br>pivoted to support                          | 66   | ...With barrier storage or<br>deployment feature                                     |
| 29 | ..Polypod   | 67   | ....Quick release float  |
| 30 | ..Openwork or concave face  | 68   | ....Inflatable or deflatable   |
| 31 | ...Associated with solid wall   | 69   | ....Self-inflating   |
| 32 | ...With fabric  | 70   | ...Having joint detail   |
| 33 | ...Interfitted or interleaved<br>members                                    | 71   | ...Having hinged joint between<br>rigid sections                                     |
| 34 | ...Jetty  | 72   | ...With reinforcing feature  |
| 35 | ...Spaced members   | 73   | .Erosive scouring  |
| 36 | <b>DRAINAGE OR IRRIGATION</b>   | 74   | .Settling of suspended matter in<br>a specific location (e.g., at<br>a scoured pier) |
| 37 | .Control means responsive to<br>sensed condition                            | 75   | .Extracting power from moving<br>fluid   |
| 38 | .Including subsurface moisture<br>barrier                                   | 76   | ..Wave or tide   |
| 39 | .Having regulation of flow<br>through channel                               | 77   | ...With flow restrictor or ramp  |
|    |   | 78   | ..Associated with dam  |

|     |   |        |   |
|-----|---|--------|---|
| 79  | .Wave generation or enhancement                     | 126    | ...Serially connected segments                                  |
| 80  | .Flow control                                       | 127    | ..Intake  |
| 81  | ..Fishway   | 128.1  | <b>SOIL REMEDIATION</b>   |
| 82  | ...Elevator   | 128.15 | .In situ contaminant removal or stabilization                   |
| 83  | ...Closed channel                                   |        |   |
| 84  | ..Navigable canal                                   | 128.2  | ..Vacuuming contaminant   |
| 85  | ...Having lock                                      | 128.25 | ...With fluid application                                       |
| 86  | ....Movable lifting member                          | 128.3  | ....At spaced locations   |
| 87  | ..Water gate or adjustable weir                     | 128.35 | ....With heat   |
| 88  | ...Center flow                                      | 128.4  | ...With heat  |
| 89  | ...Uniform discharge                                | 128.45 | ..With treatment  |
| 90  | ...Removable  | 128.5  | ...Chemical   |
| 91  | ....Flexible  | 128.55 | ....With heat   |
| 92  | ...Condition responsive                             | 128.6  | ...Temperature  |
| 93  | ....To weight of liquid separated from a main body  | 128.65 | ....Vitrify   |
| 94  | ....To pressure on pivoted water gate               | 128.7  | .With treatment   |
| 95  | .....With latch for closed position                 | 128.75 | ..Chemical  |
| 96  | ....Float   | 128.8  | ...With heat  |
| 97  | ....Having separate float chamber                   | 128.85 | ..Temperature   |
| 98  | ...Roller or flexible                               | 128.9  | ...Vitrify  |
| 99  | ...Swinging   | 129.1  | <b>SUBTERRANEAN WASTE DISPOSAL, CONTAINMENT, OR TREATMENT</b>   |
| 100 | ....About horizontal axis                           | 129.15 | .Compacting   |
| 101 | .....Overflow                                       | 129.2  | .With treatment of waste  |
| 102 | .....Collapsible                                    | 129.25 | ..Chemical  |
| 103 | ...Sliding  | 129.27 | ...With heat  |
| 104 | ...Vertical   | 129.28 | ..Temperature   |
| 105 | ....Gate unseating                                  | 129.3  | ..Solidification  |
| 106 | ....With lift mechanism or latch                    | 129.35 | .Earthen formation  |
| 107 | ..Artificial water barrier (e.g., dam, levee, etc.) | 129.4  | ..Hydraulic fracture  |
| 108 | ...Having spillway                                  | 129.45 | .Waste barrier, containment, or monitoring                      |
| 109 | ...Having impervious core                           | 129.5  | ..Monitoring, detecting, or sensing                             |
| 110 | ...Hollow or buttressed                             | 129.55 | ..Complete containment structure                                |
| 111 | ....With ballast compartment or cavity              | 129.57 | ...With drainage or collection                                  |
| 112 | ....Vertical wall buttress                          | 129.6  | ..Floor, pit, or wall   |
| 113 | ...Tension stayed                                   | 129.65 | ...With treatment   |
| 114 | ...Connectable sections                             | 129.7  | ...With drainage or collection                                  |
| 115 | ...Flexible   | 129.75 | ...Flexible sheet or liner                                      |
| 116 | ...In situ construction                             | 129.8  | ...Rigid sectional members                                      |
| 117 | ....Earthen   | 129.85 | ..Drainage or collection  |
| 118 | ..Open channel                                      | 129.9  | ..Daily cover   |
| 119 | ...Flume  | 129.95 | .Landfill   |
| 120 | ....Elbow or tee                                    | 130    | <b>TEMPERATURE MODIFICATION OR CONTROL OF EARTHEN FORMATION</b> |
| 121 | ....Joint   | 131    | .Heating  |
| 122 | ....Including U-clamp                               | 132    | <b>UNDERGROUND PASSAGEWAY, E.G., TUNNEL</b>                     |
| 123 | .....With crossbar                                  | 133    | .Vertical   |
| 124 | ..Culvert   | 134    | .Sectional  |
| 125 | ...Terminal or head                                 | 135    | ..Seal or joint   |
|     |   | 136    | .Subaqueous   |

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|-------|--|-------|--|
| 137   | ..Below bed  | 168.3 | ...Pipe laying from a reel   |
| 138   | .Boring  | 168.4 | ...Pipe tensioner  |
| 139   | ..With auxiliary tunnel  | 169   | ..With assembling of line structure  |
| 140   | ..By axially overlapped members  | 170   | ...By joining successive sections of line  |
| 141   | ..Shield   | 171   | ..By control of buoyancy   |
| 142   | ...With transverse force application feature   | 172   | ..With anchoring of line   |
| 143   | ...Direction control   | 173   | ..With raising of line from marine floor   |
| 144   | ...Door or bulkhead  | 174   | .By means advancing along terrain and guiding pipe or cable into subterranean position |
| 145   | ...Discrete independently advanceable earth supporting segments                              | 175   | ..Condition responsive   |
| 146   | ...Lining installation   | 176   | ..Tape or strip  |
| 147   | ...Seal  | 177   | ..With positive feed or means to vary tension in pipe or cable                         |
| 148   | ..Work platform  | 178   | ..Simultaneous laying of plural parallel pipes or cables                               |
| 149   | .Cut and cover   | 179   | ..With backfill or bedding material conveying or dispensing means                      |
| 150.1 | .Lining  | 180   | ..Including trench forming plow with pipe or cable guide                               |
| 150.2 | ..By spraying of settable material (e.g., concrete)  | 181   | ...With depth adjustment   |
| 151   | ..Panel  | 182   | ...With plow vibrating or oscillating means  |
| 152   | ...With sealing feature  | 183   | ...Guide integral with or rigidly fixed to plow  |
| 153   | ...With separate fastening means between adjacent panels                                     | 183.5 | .Moving cable within pipe  |
| 154.1 | <b>SUBTERRANEAN OR SUBMARINE PIPE OR CABLE LAYING, RETRIEVING, MANIPULATING, OR TREATING</b> | 184   | .Advancing subterranean length of pipe or cable  |
| 155   | .Cast in situ  | 184.1 | .Repair, replacement, or improvement   |
| 156   | .With forming or cutting of pipe or cable  | 184.2 | ..Installing liner   |
| 157   | .With protection or indication of pipe or trench   | 184.3 | ..Pipe splitting, breaking, or expanding   |
| 158   | .Submerging, raising, or manipulating line of pipe or cable in or from marine environment    | 184.4 | .Supporting, anchoring, or positioning of pipe or cable                                |
| 159   | ..Entrenched or buried   | 184.5 | .Plural pipe sections  |
| 160   | ..Condition responsive   | 185   | <b>DIVING</b>  |
| 161   | ..Entrenching or burying apparatus guided by pre-positioned pipe or cable                    | 186   | .Suit or accessory therefor  |
| 162   | ...With apparatus buoyancy control   | 187   | ..Rigid element  |
| 163   | ...With bottom fluidizing means  | 188   | .Underwater docking or mooring   |
| 164   | ...By towing submerged sled with attached plow and pipe or cable guide                       | 189   | ..With communication between inhabitable enclosures                                    |
| 165   | ...With means to forcibly feed or to control tension in pipe or cable                        | 190   | .Remote control  |
| 166   | ..Facilitated by extension from line-laying vessel   | 191   | ..From surface   |
| 167   | ...Articulated segments  | 192   | .With air lock   |
| 168.1 | ..With causing or controlling the deformation of a line                                      | 193   | .With pressure equalization  |
| 168.2 | ...Buckle arrestor for pipe  | 194   | .With continuous surface access  |
|       |  | 195.1 | <b>MARINE STRUCTURE OR FABRICATION THEREOF</b>   |
|       |  | 196   | .With work deck vertically adjustable relative to floor                                |

|       |  |       |  |
|-------|--|-------|--|
| 197   | ..Sectional leg  | 233   | ...Casting in situ hardenable<br>fluent material   |
| 198   | ..Longitudinally extending<br>projections or recesses            | 234   | ...With heating, cooling, or<br>explosion  |
| 199   | ..Frictional gripper   | 235   | ...With subsequent moving  |
| 200   | ..By buoyancy control  | 236   | ...Subsurface dispensing of<br>material for flow toward<br>surface                       |
| 201   | ..With horizontally movable work<br>deck                         | 237   | ...Forming subsurface<br>enlargement   |
| 202   | ..With pivotal connection between<br>work deck and base          | 238   | ....Preformed enlargement cavity   |
| 203   | ..Floatable to site and supported<br>by marine floor             | 239   | ...Providing embedded metallic<br>reinforcement  |
| 204   | ..With assembly of sectional<br>supporting structure at site     | 240   | ...Dispensing fluent material<br>while withdrawing dispenser                             |
| 205   | ..With ballasting means to sink<br>or position structure at site | 241   | ....Dispensing auger   |
| 206   | ...Detachable from structure                                     | 242   | ....Driven dispenser with<br>separable tip   |
| 207   | ...Compartment in base   | 243   | ...Withdrawing form structure  |
| 208   | ....And leg depending from base                                  | 244   | ...With anchoring of structure   |
| 209   | ..Separable transport means                                      | 245   | ...Driving removable wall<br>supporting core   |
| 210   | ..Storage container  | 246   | ...Diametrically retractable<br>core   |
| 211   | ..Structure protection   | 247   | ....Fluid pressure actuated  |
| 211.1 | ..Corrosion prevention   | 248   | ...With subsurface fluid<br>discharge  |
| 212   | ..Fender   | 249   | ...Caisson or hollow shaft   |
| 213   | ...Roller type   | 250   | ..Comprising series of connected<br>longitudinal sections having<br>diverse compositions |
| 214   | ...Having coil spring  | 251   | ..With joint or connection<br>between sections of similar<br>material                    |
| 215   | ...Resilient block   | 252   | ...Between concrete sections   |
| 216   | ..Sleeve or coating  | 252.1 | ..Pile having screw threads  |
| 217   | ..In or on frozen media  | 253   | ..With driving or cutting tip  |
| 218   | ..Dock   | 254   | ...Longitudinally ribbed   |
| 219   | ..Floating   | 255   | ..With end cap   |
| 220   | ..Hinged   | 256   | ..Concrete   |
| 221   | ..Vertically adjustable  | 257   | ...With form or casing   |
| 222   | ..Cast in situ   | 258.1 | <b>EARTH TREATMENT OR CONTROL</b>  |
| 223   | ..Installing means   | 259.1 | ..Rock or earth bolt or anchor   |
| 223.1 | ..Tension leg platform   | 259.2 | ..Frangible bolt   |
| 224   | ..With anchoring of structure to<br>marine floor                 | 259.3 | ..Expandable tube  |
| 224.1 | ..Pressure holding or loosening<br>means                         | 259.4 | ..Bolt having wedge expander   |
| 224.2 | ..By riser pipe  | 259.5 | ..With settable material feature   |
| 224.3 | ...Having flexible segment                                       | 259.6 | ...Breaking canister or packet   |
| 224.4 | ...Having tensioner  | 262   | ..With retaining wall  |
| 225   | ..By grouting preformed structure                                | 263   | ..Chemical   |
| 226   | ..Including floor modifying means                                | 264   | ..Organic  |
| 227   | ..By pile extending through<br>sleeve in structure               | 265   | ...Bituminous  |
| 228   | ..Pile driving   | 266   | ..Cementitious (e.g., grouting)  |
| 229   | <b>FOUNDATION</b>  | 267   | ...Filling subterranean cavity<br>(e.g., underground wall)                               |
| 230   | ..Underpinning   |       |  |
| 231   | ..Columnar structure (e.g., pier,<br>pile)                       |       |  |
| 232   | ..Process or apparatus for<br>installing                         |       |  |

268 ...Lining  
269 ...Injector  
270 .Impermeabilization  
271 .Compaction  
272 .Shoring, bracing, or cave-in  
    prevention  
273 ..Cribbing  
274 ..Sheet piles  
275 ...Concrete  
276 ...Metal  
277 ....C or I sections  
278 ....Head and claw interlock  
279 ....With separate fastening,  
    reinforcing or sealing means  
280 ....Cellular  
281 ....Bulb and socket interlock  
282 ..Trench shoring  
283 ...Shield type  
284 ..Retaining wall  
285 ...Pile and panel  
286 ...Concrete  
287 ....Cast in situ  
287.1 ..Cast in situ  
288 ..Roof support  
289 ...Inflatable  
290 ...Jack  
291 ....Mobile  
292 .....Position restoring  
293 .....With canopy extension  
294 .....Telescoping  
295 .....Cantilevered  
296 .....With rubble shield  
297 .....With contour following  
    feature  
298 .....Under load advanceable  
299 .....Self-advanceable  
300 .....Paired  
301 .....Nested  
302 .....Control system  
302.1 ...Subterranean roof plate  
302.2 ...Cable or strap support  
302.3 ...Mesh support  
302.4 .Ground stabilization or  
    reinforcement  
302.5 ..Vibration dampener  
302.6 ..Erosion protection  
302.7 ..Net, fabric, or sheet type  
303 **MISCELLANEOUS**

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