

# CPC COOPERATIVE PATENT CLASSIFICATION

## H ELECTRICITY

(NOTE omitted)

## H02 GENERATION; CONVERSION OR DISTRIBUTION OF ELECTRIC POWER

## H02B BOARDS, SUBSTATIONS OR SWITCHING ARRANGEMENTS FOR THE SUPPLY OR DISTRIBUTION OF ELECTRIC POWER

### NOTE

This subclass covers boards, switchyards, switchgear or their installation, or the association of switching devices with each other or with other devices, e.g. transformers, fuses, meters or distribution boards; such associations constitute substations or distribution points.

### WARNING

{In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.}

1/00	<b>Frameworks, boards, panels, desks, casings; Details of substations or switching arrangements</b>	1/066	. . . {with hinged covers (covers for distribution boxes <a href="#">H02G 3/14</a> )}
	<b>NOTE</b>	1/14	. Shutters or guards for preventing access to contacts (shielding of isolating-contacts in withdrawable switchgear <a href="#">H02B 11/24</a> )
	In groups <a href="#">H02B 1/01-H02B 1/56</a> , the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place.	1/16	. Earthing arrangements (earthing arrangements for substations <a href="#">H02B 5/01</a> ; earthing arrangements for switchgear <a href="#">H02B 11/28</a> , <a href="#">H02B 13/075</a> )
1/01	. Frameworks	1/18	. Disposition or arrangement of fuses (for switchgear having a withdrawable carriage <a href="#">H02B 11/26</a> )
1/011	. . {Open support bases}	1/20	. Bus-bar or other wiring layouts, e.g. in cubicles, in switchyards (installations of bus-bars <a href="#">H02G 5/00</a> )
1/012	. . {Details of mechanical connections}	1/202	. . {Cable lay-outs}
1/013	. . {Profiles for cabinet frames}	1/205	. . {for connecting electrical apparatus mounted side by side on a rail}
1/014	. . {Corner connections for frameworks}	1/207	. . {Cross-bar layouts}
1/015	. Boards, panels, desks; Parts thereof or accessories therefor	1/21	. . Bus-bar arrangements for rack-mounted devices with withdrawable units
2001/0155	. . {Removable shutters for non-used openings}	1/22	. . Layouts for duplicate bus-bar selection
1/03	. . for energy meters	1/24	. Circuit arrangements for boards or switchyards
1/04	. . Mounting thereon of switches or of other devices in general, the switch or device having, or being without, casing	1/26	. Casings; Parts thereof or accessories therefor
1/041	. . . {Mechanical coupling for side-by-side mounted apparatus}		<b>NOTE</b>
1/042	. . . {Mounting on perforated supports by means of screws or locking members}		In groups <a href="#">H02B 1/26 - H02B 1/56</a> , the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place.
1/043	. . . . {the perforated support having openings distributed according to a pattern}		
1/044	. . . Mounting through openings	1/28	. . dustproof, splashproof, drip-proof, waterproof or flameproof
1/048	. . . . Snap mounting	1/30	. . Cabinet-type casings; Parts thereof or accessories therefor
1/052	. . . Mounting on rails	1/301	. . . {mainly consisting of a frame onto which plates are mounted}
1/0523	. . . . {locked into position by a sliding member}	1/303	. . . {Bases or feet}
1/0526	. . . . {locking or releasing devices actuated from the front face of the apparatus}	1/305	. . . {Cable entries}
1/056	. . . Mounting on plugboards	1/306	. . . {Accessories, e.g. windows}
1/0565	. . . . {by means of an adapter carrying one or more apparatuses (holders with sockets <a href="#">H01R 33/00</a> )}	1/308	. . . {Mounting of cabinets together}
1/06	. . having associated enclosures, e.g. for preventing access to live parts	1/32	. . . Mounting of devices therein
1/063	. . . {with tamper resistant sealing device}	1/34	. . . . Racks
		1/36	. . . . . with withdrawable units

- 1/38 . . . Hinged covers or doors
- 1/40 . . Wall-mounted casings; Parts thereof or accessories therefor
- 1/42 . . . Mounting of devices therein
- 1/44 . . . Hinged covers or doors
- 1/46 . . Boxes; Parts thereof or accessories therefor
- 1/48 . . . Mounting of devices therein
- 1/50 . . Pedestal- or pad-mounted casings; Parts thereof or accessories therefor
- 1/505 . . . {retractable installations}
- 1/52 . . Mobile units, e.g. for work sites
- 1/54 . Anti-seismic devices or installations
- 1/56 . Cooling; Ventilation
- 1/565 . . {for cabinets}
- 3/00 Apparatus specially adapted for the manufacture, assembly, or maintenance of boards or switchgear**
- 5/00 Non-enclosed substations; Substations with enclosed and non-enclosed equipment**
- 5/01 . Earthing arrangements, e.g. earthing rods
- 5/02 . mounted on pole, e.g. pole transformer substation
- 5/06 . gas-insulated
- 7/00 Enclosed substations, e.g. compact substations**
- 7/01 . gas-insulated
- 7/06 . Distribution substations, e.g. for urban network ([H02B 7/01 takes precedence](#))
- 7/08 . . Underground substations
- 11/00 Switchgear having carriage withdrawable for isolation**
- 11/02 . Details
- 11/04 . . Isolating-contacts, e.g. mountings or shieldings
- 11/06 . . Means for duplicate bus-bar selection
- 11/08 . . Oil-tank lowering means associated with withdrawal mechanism
- 11/10 . . Indicating electrical condition of gear; Arrangement of test sockets
- 11/12 . with isolation by horizontal withdrawal
- 11/127 . . Withdrawal mechanism
- 11/133 . . . with interlock
- 11/167 . . truck type ([H02B 11/127 takes precedence](#))
- 11/173 . . drawer type ([H02B 11/127 takes precedence](#))
- 11/18 . with isolation by vertical withdrawal
- 11/20 . . having an enclosure
- 11/22 . . . wherein front of enclosure moves with carriage upon horizontal withdrawal subsequent to isolation
- 11/24 . Shutters or guards
- 11/26 . Arrangements of fuses, resistors, voltage arresters or the like
- 11/28 . Earthing arrangements
- 13/00 Arrangement of switchgear in which switches are enclosed in, or structurally associated with, a casing, e.g. cubicle (switchgear having carriage withdrawable for isolation [H02B 11/00](#))**
- 13/005 . {[Electrical connection between switchgear cells](#)}
- 13/01 . with resin casing
- 13/02 . with metal casing
- 13/025 . . Safety arrangements, e.g. in case of excessive pressure or fire due to electrical defect
- 13/035 . . Gas-insulated switchgear
- 13/0352 . . . {for three phase switchgear}
- 13/0354 . . . {comprising a vacuum switch ([H02B 13/0352 takes precedence](#))}
- 13/0356 . . . {Mounting of monitoring devices, e.g. current transformers}
- 13/0358 . . . {Connections to in or out conductors (connectors in general [H01R](#))}
- 13/045 . . . Details of casing, e.g. gas tightness
- 13/055 . . . Features relating to the gas
- 13/065 . . . Means for detecting or reacting to mechanical or electrical defects
- 13/0655 . . . . {through monitoring changes of gas properties}
- 13/075 . . . Earthing arrangements
- 13/08 . with stone, brick or concrete casing
- 15/00 Supervisory desks or panels for centralised control or display**
- 15/02 . with mimic diagrams
- 15/04 . . consisting of building blocks
- 99/00 Subject matter not provided for in other groups of this subclass**