

Title (en)
Power switching apparatus

Title (de)
Stromschaltvorrichtung

Title (fr)
Appareil de commutation de puissance

Publication
EP 2736060 B1 20170906 (EN)

Application
EP 12275183 A 20121123

Priority
EP 12275183 A 20121123

Abstract (en)
[origin: EP2736060A1] A power switching apparatus is for switching an AC or DC current. The power switching apparatus comprises first and second switching assemblies (12,14) connected in parallel, wherein the first switching assembly (12) includes at least one switching element (20), the first switching assembly (12) conducting and carrying current only in its closed state, the first switching assembly (12) being controllable to switch to its closed state only when a voltage drop across the first switching assembly (12) matches or exceeds its forward voltage drop, wherein the or each switching element (20) is controllable to modify, in use of the power switching apparatus, a current flowing through the second switching assembly (14), and the second switching assembly (14) includes: a vacuum interrupter assembly (25) including at least one vacuum interrupter (26); an electrical device (28) coupled with the vacuum interrupter assembly; and a control unit (16); wherein, in use of the vacuum interrupter assembly (25) to interrupt current, the control unit (16) controls the electrical device (28) to create a voltage or magnetic field which increases the voltage drop across the second switching assembly (14) so that the voltage drop across the second switching assembly (14) matches or exceeds the forward voltage drop of the first switching assembly (12).

IPC 8 full level
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CPC (source: EP)
H01H 9/542 (2013.01); **H01H 9/548** (2013.01); **H01H 33/596** (2013.01)

Cited by
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