

Title (en)  
Hybrid switch

Title (de)  
Hybridschalter

Title (fr)  
Commutateur hybride

Publication  
**EP 1881511 A1 20080123 (EN)**

Application  
**EP 07112803 A 20070719**

Priority  
IT TO20060539 A 20060720

Abstract (en)  
Hybrid switch including a mechanical switch (2), at least a first static switch (9) placed on a first branch (R1) parallel with the contacts (2a, 2b) of the mechanical switch (2) and a backup charge (15), in particular a capacitor, placed on a second branch (R2) parallel with the contacts (2a, 2b) of the mechanical switch (2) and couplable with/decouplable from the mechanical switch (2) by means of a second static switch (16). An electronic control unit (35) executes at least one control cycle of the first static switch (9) and of the second static switch (16) to extinguish the arc that forms between the contacts (2a, 2b) subsequent to under load opening of the mechanical switch (2).

IPC 8 full level  
**H01H 9/54** (2006.01)

CPC (source: EP)  
**H01H 9/542** (2013.01); **H01H 33/596** (2013.01); **H01H 2009/543** (2013.01)

Citation (search report)

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Designated contracting state (EPC)  
DE FR GB IT NL

Designated extension state (EPC)  
AL BA HR MK YU

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