

Title (en)

Micro-electromechanical system based soft switching

Title (de)

Sanfte Umschaltung auf der Basis eines mikroelektromechanischen Systems

Title (fr)

Commutation souple basée sur un système micro-électromécanique

Publication

EP 2017870 B1 20130515 (EN)

Application

EP 07110554 A 20070619

Priority

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Abstract (en)

[origin: EP2017870A2] A system (10) is presented. The system (10) includes detection circuitry (14) configured to detect occurrence of a zero crossing of an alternating source voltage (36) or an alternating load current (42). The system also includes switching circuitry (12) coupled to the detection circuitry (14) and comprising a micro-electromechanical system switch (20). Additionally, the system (10) includes control circuitry (16) coupled to the detection circuitry (14) and the switching circuitry (12) and configured to perform arc-less switching of the micro-electromechanical system switch (20) responsive to a detected zero crossing of an alternating source voltage (36) or alternating load current (42).

IPC 8 full level

H01H 59/00 (2006.01)

CPC (source: EP)

H01H 59/0009 (2013.01); **H01H 9/541** (2013.01); **H01H 2071/008** (2013.01)

Cited by

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Designated contracting state (EPC)

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