Title (en)
  Vacuum switch assemblies

Title (de)
  Vakuumschalteranordnungen

Title (fr)
  Ensembles de commutation à vide

Publication
  EP 2662878 A1 20131113 (EN)

Application
  EP 12167067 A 20120508

Priority
  EP 12167067 A 20120508

Abstract (en)
  The present invention relates to a vacuum switch assembly (1) for interrupting and isolating fault current. The vacuum switch assembly includes first and second dc lines (2a, 2b) that, in use, are electrically connected to the dc output terminals of a primary dc power source (40) and a dc network (18). Each dc line (2a, 2b) includes at least one vacuum switch (4a, 4b) having contacts that are opened and closed under the control of a vacuum switch controller (10). A passive dc power supply unit (30) is electrically connected to the first and second dc lines (2a, 2b) and includes a secondary dc power source (32) that provides a substantially ripple-free sensing voltage. The vacuum switch controller (10) is adapted to open the vacuum switch contacts when a fault condition (e.g. a fault current or other fault) or an operator request has been identified and when the current flowing between the vacuum switch contacts is below a chopping current associated with the vacuum switches (4a, 4b).

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  H01H 33/002 (2013.01); **H01H 33/596** (2013.01); **H01H 33/666** (2013.01)

Citation (search report)
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  • [A] DE 102007004527 A1 20080731 - SIEMENS AG [DE]
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Designated contracting state (EPC)
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