

Title (en)
Vacuum switchgear

Title (de)
Vakuumschaltanlage

Title (fr)
Installation de commutation à vide

Publication
EP 1763049 B1 20160824 (EN)

Application
EP 06018899 A 20060908

Priority
JP 2005264573 A 20050913

Abstract (en)
[origin: EP1763049A1] The vacuum switchgear is composed of a metallic container (12) at a floating potential, two insulating bushings, and a pair of electrodes. A measuring terminal (50) for vacuum pressure diagnosis is installed opposite the metallic container (12), and the metallic container (12) and measuring terminal (50) are molded by an insulator (20) such as epoxy, and conductive paint (21) grounded is installed on the outer peripheral part of the insulator (20). The ground capacity of the metallic container (12) is increased by the conductive paint (21) grounded, so that the potential of the metallic container (12) during operation approaches the ground potential. When electricity is discharged between the main circuit and the metallic container when the vacuum pressure is deteriorated, the potential of the metallic container becomes equal to the system potential, so that by a potential rise at the system frequency generated in the metallic container (12), deterioration of the vacuum pressure can be detected. Thereby, a signal processing circuit of a vacuum pressure diagnostic device for a vacuum switchgear is simplified and the cost of the vacuum switchgear is reduced.

IPC 8 full level
H01H 33/668 (2006.01)

CPC (source: EP)
H01H 33/668 (2013.01)

Citation (examination)

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DOCDB simple family (application)
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