

Title (en)
VACUUM INTERRUPTER

Title (de)
VAKUUMSCHALTROHRE

Title (fr)
TUBE COMMUTATEUR A VIDE

Publication
EP 1925007 B1 20181031 (DE)

Application
EP 05780624 A 20050912

Priority
DE 2005001613 W 20050912

Abstract (en)
[origin: WO2007031040A1] In order to design a vacuum interrupter (1, 1') having a housing (2), a first contact system (19, 22, 31, 34), which comprises a movable contact piece (19, 34) and a fixed contact piece (22, 31), and a second contact system (11, 16) comprising an earthing contact (16) and an earthed mating contact piece (11), the earthing contact (16) being arranged on a movable contact rod (14), which is passed out of the housing (2) in a sealing manner, with which vacuum interrupter an interaction of the arc with the earthed mating contact is prevented, the invention proposes that the first contact system is held in the interior of the housing using vacuum-tight separating means (9, 18, 33), which divide the interior (20, 21) of the vacuum interrupter (1, 1') into a first interior (20) having the first contact system (19, 22, 31, 34) and a second interior (21) having the second contact system (11, 16).

IPC 8 full level
H01H 31/00 (2006.01); **H01H 33/66** (2006.01)

CPC (source: EP US)
H01H 31/003 (2013.01 - EP US); **H01H 33/6661** (2013.01 - EP US)

Citation (examination)
EP 1109186 A2 20010620 - HITACHI LTD [JP]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007031040 A1 20070322; DE 112005003757 A5 20080814; EP 1925007 A1 20080528; EP 1925007 B1 20181031;
JP 2009508294 A 20090226; US 2008245772 A1 20081009

DOCDB simple family (application)
DE 2005001613 W 20050912; DE 112005003757 T 20050912; EP 05780624 A 20050912; JP 2008529459 A 20050912; US 6655708 A 20080312