

Title (en)
VACUUM INTERRUPTER

Title (de)
VAKUUMSCHALTROHRE

Title (fr)
AMPOULE À VIDE

Publication
EP 4276864 A1 20231115 (EN)

Application
EP 22172209 A 20220508

Priority
EP 22172209 A 20220508

Abstract (en)
The present invention relates to a vacuum interrupter, comprising:- a first carrier (101); and- a second carrier (102);wherein the first carrier comprises a stem (10) and a contact piece (1);wherein the second carrier comprises a stem (10) and a contact piece (1);wherein the contact piece of the first carrier comprises a first contact part (30) and a second contact part (20) surrounding the first contact part;wherein the contact piece of the second carrier comprises a first contact part (30) and a second contact part (20) surrounding the first contact part; andwherein a material of at least a portion of the first contact part of the first carrier is different to a material of the second contact part of the first carrier; and/or wherein a material of at least a portion of first contact part of the second carrier is different to a material of the second contact part of the second carrier.

IPC 8 full level
H01H 1/02 (2006.01); **H01H 1/023** (2006.01); **H01H 1/0233** (2006.01); **H01H 1/025** (2006.01); **H01H 1/027** (2006.01); **H01H 1/04** (2006.01); **H01H 33/664** (2006.01)

CPC (source: CN EP)
H01H 1/0203 (2013.01 - CN EP); **H01H 1/0206** (2013.01 - EP); **H01H 1/021** (2013.01 - CN); **H01H 1/023** (2013.01 - EP); **H01H 1/0233** (2013.01 - EP); **H01H 1/025** (2013.01 - EP); **H01H 1/027** (2013.01 - EP); **H01H 1/04** (2013.01 - EP); **H01H 33/664** (2013.01 - CN); **H01H 33/6643** (2013.01 - EP)

Citation (search report)

- [XAY] US 3182156 A 19650504 - LEE THOMAS H, et al
- [XAY] JP 2009289652 A 20091210 - TOSHIBA CORP
- [XY] JP H04242029 A 19920828 - TOSHIBA CORP
- [Y] JP H01100837 A 19890419 - MITSUBISHI ELECTRIC CORP
- [Y] GB 1388283 A 19750326 - ENGLISH ELECTRIC CO LTD
- [X] US 10804044 B2 20201013 - CAMPBELL LOUIS GRANT [US], et al
- [Y] EP 0354997 A2 19900221 - TOSHIBA KK [JP]
- [Y] CN 112620640 A 20210409 - WENZHOU HONGFENG ELECTRICAL ALLOY CO LTD
- [Y] EP 2849185 A1 20150318 - AIRBUS DEFENCE & SPACE GMBH [DE]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4276864 A1 20231115; CN 117038384 A 20231110

DOCDB simple family (application)
EP 22172209 A 20220508; CN 202310503500 A 20230506