

Title (en)
DIELECTRIC-INCREASE CUTOFF DEVICE

Title (de)
TRENNVORRICHTUNG MIT ERHÖHTER DIELEKTRIZITÄTSKONSTANTE

Title (fr)
DISPOSITIF DE COUPURE A ACCROISSEMENT DIELECTRIQUE

Publication
EP 4260354 A1 20231018 (FR)

Application
EP 21840651 A 20211203

Priority
• FR 2013018 A 20201210
• FR 2021052210 W 20211203

Abstract (en)
[origin: WO2022123159A1] The invention relates to a cutoff device comprising a conductive element (40) and a mobile piston (30), the piston (30) being able to move between a first position in which current flows in the conductive element (40) and a second position in which the current is cut off, the piston (30) being designed to break the conductive element (40) when it moves from its first position to its second position, the piston (30) being positioned in a reception cavity (12a) of a reception element (12) when said piston (30) is in its second position, the reception cavity (12a) being delimited by at least one internal wall (120) of the reception element (12), and the internal wall (120) being made of electrically insulating material. The reception element (12) furthermore comprises vanes (60) made of electrically insulating material and extending within the reception cavity (12a) from the at least one internal wall (120) of the reception element (12).

IPC 8 full level
H01H 9/30 (2006.01); **H01H 39/00** (2006.01)

CPC (source: EP US)
H01H 9/30 (2013.01 - EP); **H01H 39/006** (2013.01 - EP US); **H01H 9/342** (2013.01 - EP); **H01H 2009/305** (2013.01 - EP);
H01H 2039/008 (2013.01 - EP)

Citation (search report)
See references of WO 2022123159A1

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)
WO 2022123159 A1 20220616; CN 116601735 A 20230815; EP 4260354 A1 20231018; FR 3117665 A1 20220617; FR 3117665 B1 20230414;
JP 2023548629 A 20231117; US 2023395344 A1 20231207

DOCDB simple family (application)
FR 2021052210 W 20211203; CN 202180083496 A 20211203; EP 21840651 A 20211203; FR 2013018 A 20201210;
JP 2023535354 A 20211203; US 202118256828 A 20211203