

Title (en)  
DEVICE AND MODULE FOR PROTECTING AGAINST LIGHTNING AND OVERVOLTAGES

Title (de)  
VORRICHTUNG UND MODUL ZUM SCHUTZ VOR BLITZEN UND ÜBERSpannungen

Title (fr)  
DISPOSITIF ET MODULE DE PROTECTION CONTRE LES ÉCLAIRS ET LES SURTENSIONS

Publication  
**EP 2162961 A1 20100317 (DE)**

Application  
**EP 08761287 A 20080620**

Priority  
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• DE 102007029093 A 20070621

Abstract (en)  
[origin: US2010156264A1] A device for protecting against lightning and overvoltages includes two electrodes closing off, in a gas tight manner, both end faces of a cylinder made of insulating material, and defining a discharge chamber in the interior of the chamber thus formed. At least one step is provided in the chamber in the contact area of at least one of the electrodes and the cylinder such that the chamber extends outwards past the internal wall of the cylinder.

IPC 8 full level  
**H01T 1/20** (2006.01); **H01T 4/12** (2006.01); **H01T 4/16** (2006.01)

CPC (source: EP US)  
**H01T 1/20** (2013.01 - EP US); **H01T 4/12** (2013.01 - EP US); **H01T 4/16** (2013.01 - EP US)

Citation (search report)  
See references of WO 2008155424A1

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AL BA MK RS

DOCDB simple family (publication)  
**US 2010156264 A1 20100624**; **US 8080927 B2 20111220**; AT E550816 T1 20120415; CN 101779349 A 20100714; CN 101779349 B 20130529; DE 102008029094 A1 20090102; EP 2162961 A1 20100317; EP 2162961 B1 20120321; JP 2010532069 A 20100930; JP 5200100 B2 20130515; KR 20100040860 A 20100421; WO 2008155424 A1 20081224

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