

Title (en)  
Multiple spark route for lightning protection

Title (de)  
Mehrfachfunkenstrecke für den Blitzschutz

Title (fr)  
Éclateur multiple pour la protection anti-foudre

Publication  
**EP 2882050 A3 20150617 (DE)**

Application  
**EP 14401100 A 20141029**

Priority  
DE 102013113614 A 20131206

Abstract (en)  
[origin: CN104701742A] The invention relates to a multiple spark route for lightning protection composed of spark gaps arranged between connecting contact plates and contact plates with connecting members used for electric conductors. An insulation material housing (1) with a plurality of mutually isolated chambers (2, 3, 4) is arranged. The connecting contact plates (6) are inserted, and then the spark gaps (7) in contact with the spark gas are further inserted. The connecting members (8) respectively used for the electric conductors (8) are separately lead out of the outer side of the insulation material housing (1) through the housing body wall. An open side of the housing is covered by a first contact plate (9) made of conductive materials. The first contact plate (9) is in contact with the spark gaps (7) in a side, back on to the connecting contact plates, of the first contact plate. The first contact plate (9) is connected to the insulation material housing (1) through the connecting members. The first contact plate has the connecting members used for the electric conductors (8).

IPC 8 full level  
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CPC (source: EP)  
**H01T 4/06** (2013.01); **H01T 4/16** (2013.01)

Citation (search report)  
• [XAYI] US 4658325 A 19870414 - SPLITT FRANK G [US]  
• [Y] EP 1075064 A1 20010207 - LEUTRON GMBH [DE]  
• [Y] EP 0905840 A1 19990331 - BETTERMANN OBO GMBH & CO KG [DE]  
• [YD] WO 2012052388 A1 20120426 - DEHN & SOEHNE [DE], et al

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**EP 14401100 A 20141029**; CN 201410731244 A 20141205; DE 102013113614 A 20131206; HK 15110284 A 20151020; SI 201430989 T 20141029