

Title (en)  
GAS-FILLED OVERVOLTAGE DIVERTER

Title (de)  
GASGEFÜLLTER ÜBERSPANNUNGSABLEITER

Title (fr)  
LIMITEUR DE SURTENSION REMPLI DE GAZ

Publication  
**EP 0700589 B1 19980722 (DE)**

Application  
**EP 94915504 A 19940518**

Priority  
• DE 9400589 W 19940518  
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Abstract (en)  
[origin: US5671114A] PCT No. PCT/DE94/00589 Sec. 371 Date Nov. 27, 1995 Sec. 102(e) Date Nov. 27, 1995 PCT Filed May 18, 1994 PCT Pub. No. WO94/28607 PCT Pub. Date Dec. 8, 1994 In a gas-filled overvoltage diverter, the electrodes are coated with an activation compound and are located on an insulator. At least one axial ignition strip is disposed on the inner surface of the insulator. The inner surface of the insulator also has an ionization source in the form of a coating of an electroluminescent material. The coating is connected to both electrodes and may take the form of a strip. Alternatively, the coating may cover the entire inner surface of the insulator. The alkali halide and/or alkaline-earth halide coating material may also contain dielectric or ferro-electric crystals.

IPC 1-7  
**H01T 1/20**

IPC 8 full level  
**H01T 1/20** (2006.01); **H01T 2/02** (2006.01); **H01T 4/12** (2006.01)

CPC (source: EP US)  
**H01T 1/20** (2013.01 - EP US)

Citation (examination)  
• WO 9005398 A1 19900517 - COOPER UK LIMITED [GB]  
• DE 2828650 A1 19800103 - SIEMENS AG  
• DE 2735865 A1 19790215 - SIEMENS AG  
• EP 0138082 A1 19850424 - SIEMENS AG [DE]

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DOCDB simple family (publication)  
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