

Title (en)  
Electrical insulator

Title (de)  
Elektrischer Isolator

Title (fr)  
Isolateur électrique

Publication  
**EP 1528576 A3 20060201 (EN)**

Application  
**EP 04025657 A 20041028**

Priority  
JP 2003367240 A 20031028

Abstract (en)  
[origin: EP1528576A2] An electrical insulator (1) includes a shed (31) having a diameter larger than the shed diameter of the electrical insulator (1) in an upper portion of the electrical insulator (1), and the shed (31) has an elliptical or oval cross section. Accordingly, the airflow in the vertical direction of the electrical insulator (1) is reduced, and therefore the noise caused by pressure fluctuation on a shed of the electrical insulator (1) due to vortices generated at positions downstream of a structural component, such as a collector shoe, placed on top of the electrical insulator (1) is reduced.

IPC 8 full level  
**B61D 49/00** (2006.01); **H01B 17/18** (2006.01); **H01B 17/14** (2006.01)

CPC (source: EP)  
**H01B 17/18** (2013.01)

Citation (search report)

- [X] FR 1246691 A 19601118 - SIEMENS AG
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- [A] FR 594268 A 19250909 - PORCELAINFABRIKKEN NORDEN AS
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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1528576 A2 20050504; EP 1528576 A3 20060201**; JP 2005135602 A 20050526; JP 4332718 B2 20090916

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