

Title (en)
High-voltage insulation device

Title (de)
Hochspannungsisolierungssystem

Title (fr)
Système d'isolation à haute tension

Publication
EP 1150313 A3 20020529 (DE)

Application
EP 01810288 A 20010321

Priority
DE 10020228 A 20000425

Abstract (en)
[origin: EP1150313A2] The high voltage conductor (1) is cooled by a combination of a solid cooling material (2) and a liquid (3). The solid consists of a carrier material in the form of cellulose fibres impregnated with a suitable polymer matrix, epoxy resin. This is formed around the conductor in a vessel filled with a cooling liquid.

IPC 1-7
H01B 3/52; H01B 3/54; H01F 6/06; H01F 27/32; H01B 12/00; H01B 3/40

IPC 8 full level
H01B 12/00 (2006.01); **H01B 12/16** (2006.01); **H01B 13/00** (2006.01); **H01F 6/04** (2006.01); **H01F 6/06** (2006.01)

CPC (source: EP US)
H01F 6/04 (2013.01 - EP US); **H01F 6/06** (2013.01 - EP US); **Y10S 336/01** (2013.01 - EP US)

Citation (search report)

- [XAY] DE 2327629 A1 19741212 - SIEMENS AG
- [Y] DE 4403288 A1 19950323 - GALLINA RICHARD [DE]
- [A] EP 0971368 A1 20000112 - PIRELLI CABLES & SYSTEMS LLC [US]
- [AD] US 3710293 A 19730109 - LAZOR G
- [YA] L. HAHN, I. MUNKE ET AL.: "Werkstoffkunde für die Elektrotechnik und Elektronik", 1983, VEB VERLAG TECHNIK, BERLIN, XP002193988
- [A] HERD K G ET AL: "Development and fabrication of a Bi-2223 racetrack coil for generator applications", 1996 APPLIED SUPERCONDUCTIVITY CONFERENCE, PITTSBURGH, PA, USA, 25-30 AUG. 1996, vol. 7, no. 2, pt.1, IEEE Transactions on Applied Superconductivity, June 1997, IEEE, USA, pages 531 - 534, XP001056591, ISSN: 1051-8223

Cited by
WO2014001223A1; EP2867012B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1150313 A2 20011031; **EP 1150313 A3 20020529**; **EP 1150313 B1 20080423**; AT E393456 T1 20080515; CA 2344771 A1 20011025; DE 10020228 A1 20011031; DE 50113876 D1 20080605; JP 2001357733 A 20011226; RU 2279727 C2 20060710; US 2001047879 A1 20011206; US 6791033 B2 20040914

DOCDB simple family (application)
EP 01810288 A 20010321; AT 01810288 T 20010321; CA 2344771 A 20010420; DE 10020228 A 20000425; DE 50113876 T 20010321; JP 2001119185 A 20010418; RU 2001111395 A 20010424; US 84108201 A 20010425