

Title (en)
HIGH-VOLTAGE INSULATING DISK.

Title (de)
HOCHSPANNUNGS-ISOLIERSCHEIBE.

Title (fr)
DISQUE ISOLANT POUR HAUTE TENSION.

Publication
EP 0612439 A1 19940831 (DE)

Application
EP 92901976 A 19911213

Priority
• DE 9100973 W 19911213
• DE 9114268 U 19911115

Abstract (en)
[origin: CA2123574A1] The invention relates to an insulating disk (2) composed of electrically insulating and thermally conducting material. According to the invention, one side (8) of said insulating disk (2) is provided centrally with a recess (10) whose cross section is equal to a cross section of a component (4, 6). Consequently, the value of the extinction voltage of the partial discharge and the creeping-discharge and flashover resistance are increased substantially by means of a surface design of said insulating disk (2). Figure 1

Abstract (fr)
Disque isolant (2) réalisé dans un matériau électriquement isolant et thermoconducteur. Selon l'invention, un côté (8) de ce disque isolant (2) comporte un creux (10) en son milieu, dont la section transversale est identique à celle d'un composant (4, 6). Ainsi, la valeur de la tension d'extinction de la décharge partielle et la décharge glissante ainsi que la résistance au contournement peuvent être sensiblement augmentées, grâce à une configuration de la superficie de ce disque isolant (2).

IPC 1-7
H01L 23/13; **H01L 23/16**; **H01L 23/051**; **H01L 23/24**

IPC 8 full level
H01B 17/56 (2006.01); **H01L 23/13** (2006.01); **H05K 1/02** (2006.01); **H05K 1/18** (2006.01)

CPC (source: EP US)
H01B 17/56 (2013.01 - EP US); **H01L 23/13** (2013.01 - EP US); **H05K 1/0256** (2013.01 - EP US); **H01L 2924/15787** (2013.01 - EP US); **H01L 2924/1579** (2013.01 - EP US); **H05K 1/18** (2013.01 - EP US); **H05K 2201/09036** (2013.01 - EP US); **H05K 2201/09045** (2013.01 - EP US)

Citation (search report)
See references of WO 9310560A1

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI SE

DOCDB simple family (publication)
DE 9114268 U1 19920109; CA 2123574 A1 19930527; EP 0612439 A1 19940831; JP H07501179 A 19950202; JP H08500003 U 19960702; US 5576578 A 19961119; WO 9310560 A1 19930527

DOCDB simple family (application)
DE 9114268 U 19911115; CA 2123574 A 19911213; DE 9100973 W 19911213; EP 92901976 A 19911213; JP 50098091 A 19911213; JP 60000395 U 19911213; US 24407394 A 19940516