

Title (en)  
ELECTROLYTIC CAPACITOR

Title (de)  
ELEKTROLYTKONDENSATOR

Title (fr)  
CONDENSATEUR ELECTROLYTIQUE

Publication  
**EP 1695361 A4 20091111 (EN)**

Application  
**EP 04793365 A 20041028**

Priority

- JP 2004016385 W 20041028
- JP 2003369034 A 20031029
- JP 2003369036 A 20031029
- US 51676603 P 20031104
- US 51683403 P 20031104
- JP 2003426354 A 20031224
- JP 2003426356 A 20031224

Abstract (en)  
[origin: WO2005041226A1] In an electrolytic capacitor 1 in which a capacitor element 2 is enclosed in an external casing 3, a heat conductive material 5 having heat conductivity of 1 W/m.K or more is disposed between the external casing 3 and the capacitor element 2 so as to be in contact with them. Alternatively, in an electrolytic capacitor 1 in which a capacitor element 2 is enclosed in an external casing 3 made of aluminum, an external peripheral surface of the external casing 3 is covered with an insulation film 4.

IPC 8 full level  
**H01G 9/08** (2006.01); **H01G 9/00** (2006.01)

CPC (source: EP)  
**H01G 2/08** (2013.01); **H01G 9/08** (2013.01); **Y02T 10/70** (2013.01)

Citation (search report)

- [Y] US 6021040 A 20000201 - SUZUKI OSAMU [JP], et al
- [Y] GB 1489639 A 19771026 - PYE LTD
- [AY] US 2001036065 A1 20011101 - HIRANO KOICHI [JP], et al
- [AY] JP H0774063 A 19950317 - NICHICON CORP
- [Y] US 2003129487 A1 20030710 - INOUE TAKEFUMI [JP], et al
- [A] US 3831265 A 19740827 - LOUZON T, et al
- See references of WO 2005041226A1

Citation (examination)

- EP 0158271 A2 19851016 - TOYODA CHUO KENKYUSHO KK [JP]
- PARASCANDOLA S ET AL: "The influence of the oxygen partial pressure on the ion nitriding of aluminium - An investigation by means of real time elastic recoil detection analysis", NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH, SECTION - B:BEAM INTERACTIONS WITH MATERIALS AND ATOMS, ELSEVIER, AMSTERDAM, NL, vol. 161-163, 1 March 2000 (2000-03-01), pages 406 - 410, XP004192255, ISSN: 0168-583X, DOI: 10.1016/S0168-583X(99)00906-4

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)  
**WO 2005041226 A1 20050506**; EP 1695361 A1 20060830; EP 1695361 A4 20091111

DOCDB simple family (application)  
**JP 2004016385 W 20041028**; EP 04793365 A 20041028