

Title (en)

USE OF AN OBJECT AS AN ELECTRONIC COMPONENT

Title (de)

VERWENDUNG EINES GEGENSTANDS ALS ELEKTRONISCHES BAUTEIL

Title (fr)

UTILISATION D'UN OBJET COMME COMPOSANT ELECTRONIQUE

Publication

EP 1616044 A2 20060118 (DE)

Application

EP 04727659 A 20040415

Priority

- IB 2004050461 W 20040415
- DE 10317793 A 20030416
- DE 102004001613 A 20040109

Abstract (en)

[origin: WO2004092444A2] The use of an object as an electronic component is disclosed, the surface of which entirely or partially comprises a composite material made of a non-metallic substrate which contains at least one polymer, and of a metallic layer deposited thereon without an external current supply, and having an adherence of at least 4 N/mm<2>.

IPC 1-7

C23C 18/16

IPC 8 full level

C23C 18/16 (2006.01); **C23C 18/18** (2006.01); **C23C 18/22** (2006.01)

CPC (source: EP US)

C23C 18/165 (2013.01 - EP US); **C23C 18/1653** (2013.01 - EP US); **C23C 18/1662** (2013.01 - EP US); **C23C 18/2013** (2013.01 - EP US); **C23C 18/22** (2013.01 - EP US); **C23C 18/31** (2013.01 - EP US); **C23C 18/285** (2013.01 - EP US); **C23C 18/30** (2013.01 - EP US); **C25D 5/14** (2013.01 - EP US); **Y10T 428/12493** (2015.01 - EP US); **Y10T 428/12569** (2015.01 - EP US)

Citation (search report)

See references of WO 2004092444A2

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 2004092444 A2 20041028; **WO 2004092444 A3 20050106**; CA 2522647 A1 20041028; EP 1616044 A2 20060118; JP 2006523773 A 20061019; US 2007087215 A1 20070419

DOCDB simple family (application)

IB 2004050461 W 20040415; CA 2522647 A 20040415; EP 04727659 A 20040415; JP 2006506861 A 20040415; US 55314504 A 20040415