

Title (en)

TRANSPARENT SUBSTRATE COMPRISING METAL ELEMENTS AND USE THEREOF

Title (de)

DURCHSICHTIGES SUBSTRAT BESCHICHTET MIT METALLISCHEN ELEMENTEN UND VERWENDUNG DES SUBSTRATES

Title (fr)

SUBSTRAT TRANSPARENT COMPORTANT DES ELEMENTS METALLIQUES ET UTILISATION D'UN TEL SUBSTRAT

Publication

EP 1278707 A1 20030129 (FR)

Application

EP 01923793 A 20010411

Priority

- FR 0101107 W 20010411
- FR 0005284 A 20000426

Abstract (en)

[origin: WO0181262A1] The invention concerns a transparent substrate provided with metal elements such as metal wires (21) or a stack of thin layers (20) comprising at least a silver layer, whereof the properties prevent wave transmission in the near infrared.

IPC 1-7

C03C 17/36; C03C 17/00

IPC 8 full level

B32B 15/04 (2006.01); **B32B 17/10** (2006.01); **C03C 17/00** (2006.01); **C03C 17/36** (2006.01); **C03C 27/12** (2006.01); **H01J 11/02** (2006.01)

CPC (source: EP KR US)

B32B 17/10036 (2013.01 - EP US); **B32B 17/10174** (2013.01 - EP US); **B32B 17/10376** (2013.01 - EP US); **B32B 17/10761** (2013.01 - EP US); **C03C 17/007** (2013.01 - EP US); **C03C 17/36** (2013.01 - EP KR US); **C03C 17/3618** (2013.01 - EP US); **C03C 17/3639** (2013.01 - EP US); **C03C 17/3644** (2013.01 - EP US); **C03C 17/3652** (2013.01 - EP US); **C03C 17/3676** (2013.01 - EP US); **C03C 2217/42** (2013.01 - EP US); **C03C 2217/93** (2013.01 - EP US); **C03C 2218/365** (2013.01 - EP US); **H01J 2211/446** (2013.01 - EP US)

Citation (search report)

See references of WO 0181262A1

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)

WO 0181262 A1 20011101; AU 5048101 A 20011107; CA 2407032 A1 20011101; CZ 20023552 A3 20031217; EP 1278707 A1 20030129; FR 2821349 A1 20020830; JP 2003531094 A 20031021; KR 20020093853 A 20021216; PL 357566 A1 20040726; TW 200536800 A 20051116; TW I243802 B 20051121; US 2003099842 A1 20030529

DOCDB simple family (application)

FR 0101107 W 20010411; AU 5048101 A 20010411; CA 2407032 A 20010411; CZ 20023552 A 20010411; EP 01923793 A 20010411; FR 0005284 A 20000426; JP 2001578362 A 20010411; KR 20027012539 A 20020923; PL 35756601 A 20010411; TW 90109657 A 20010423; TW 94124933 A 20010423; US 28000202 A 20021025