

Title (en)
METAL-COATED GRAPHITE FILM

Title (de)
METALLBESCHICHTETE GRAPHITFOLIE

Title (fr)
FILM DE GRAPHITE DOTE D'UN REVETEMENT METALLIQUE

Publication
EP 1893550 A1 20080305 (DE)

Application
EP 06753638 A 20060516

Priority
• EP 2006004601 W 20060516
• EP 05013340 A 20050621
• EP 06753638 A 20060516

Abstract (en)
[origin: EP1746077A1] Graphite films (I) having a metallic coating on at least one surface, where the coatings are at most 100 nm thick, are new. Independent claims are included for: (1) a laminate (II) of two films (I) having the metal coating on one side only, where the films are oriented with the metal coating facing outwards, so that both external faces of the laminate have a metal coating; (2) sheet or strip-form semi-finished graphite film products (III), in which at least one face and at least one edge has a metallic coating at least 100 nm thick; (3) a method for bonding semi-finished products or components of (I) (including (II) or (III)) with each other, or with semi-finished products or components of other metal-coated materials or of metals, involving soldering or welding the components together; and (4) the production of a metal coating on one side of a graphite film, by: (a) laminating one side of a sheet of graphite film with a plastics film; (b) continuously vapor-coating with the desired metal to the required layer thickness; and (c) mechanically removing the laminated film.

IPC 8 full level
C04B 35/536 (2006.01); **C01B 31/04** (2006.01); **C04B 41/88** (2006.01); **C23C 14/18** (2006.01); **H01R 39/24** (2006.01)

CPC (source: EP KR US)
C01B 32/225 (2017.07 - KR); **C04B 35/522** (2013.01 - KR); **C04B 35/536** (2013.01 - KR); **C04B 41/009** (2013.01 - EP KR US); **C04B 41/4529** (2013.01 - KR); **C04B 41/5155** (2013.01 - EP KR US); **C04B 41/88** (2013.01 - EP KR US); **C23C 14/18** (2013.01 - EP KR US); **C23C 14/562** (2013.01 - EP KR US); **H01M 8/0206** (2013.01 - EP KR US); **H01M 8/0213** (2013.01 - EP KR US); **H01M 8/0228** (2013.01 - EP US); **H01M 8/0267** (2013.01 - EP KR); **C04B 2111/00844** (2013.01 - EP US); **C04B 2111/00853** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP US); **Y10T 428/265** (2015.01 - EP US)

Citation (search report)
See references of WO 2006136242A1

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