

Title (en)

Metallic material or film having fluorinated surface layer, and fluorination process

Title (de)

Metallisches Material oder Film mit fluorierter Oberfläche und Fluorierungsverfahren

Title (fr)

Matériau métallique ou couche mince ayant une surface fluorée et procédé de fluoration

Publication

EP 0902101 B1 20030219 (EN)

Application

EP 98117280 A 19980911

Priority

JP 24823197 A 19970912

Abstract (en)

[origin: EP0902101A1] The known fluorinated layer has usually a thickness of from 1000 to 3000 angstroms. After the forced oxidation of metal, the forcibly oxidized surface is fluorinated. As a result of the preceding forced oxidation, a 1 μ m or more thick fluorinated layer is formed on the surface of the metal. <IMAGE>

IPC 1-7

C23C 8/34

IPC 8 full level

C23C 8/08 (2006.01); **C23C 8/10** (2006.01); **C23C 8/12** (2006.01); **C23C 8/16** (2006.01); **C23C 8/34** (2006.01); **C23C 8/42** (2006.01)

CPC (source: EP KR)

C23C 8/08 (2013.01 - KR); **C23C 8/34** (2013.01 - EP)

Cited by

CN101835991A; EP2211061A4; US12064937B2; WO03002454A3; WO03036216A1; US6955801B2

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 0902101 A1 19990317; **EP 0902101 B1 20030219**; DE 69811446 D1 20030327; DE 69811446 T2 20031023; DE 69811446 T4 20040708; JP 3094000 B2 20001003; JP H1192912 A 19990406; KR 100308688 B1 20011130; KR 19990029675 A 19990426; TW 402646 B 20000821

DOCDB simple family (application)

EP 98117280 A 19980911; DE 69811446 A 19980911; DE 69811446 T 19980911; JP 24823197 A 19970912; KR 19980037294 A 19980910; TW 87115090 A 19980910