

Title (en)

METHOD AND DEVICE FOR FORMING A PATTERN ON A THIN METAL FOIL

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELUNG EINES MUSTERS AUF EINE DÜNNE METALLFOLIE

Title (fr)

PROCEDE ET DISPOSITIF SERVANT A CREER UN MOTIF SUR UN CLINQUANT METALLIQUE

Publication

EP 0970531 A1 20000112 (EN)

Application

EP 98963508 A 19981124

Priority

- DE 19802839 A 19980126
- EP 9807580 W 19981124

Abstract (en)

[origin: DE19802839A1] A pattern is formed on a thin metal foil by filling a solution into apertures (2) in a mask film (1) of thickness corresponding to the height of solution to be introduced, followed by drying the solution and removing the mask film to leave a pattern of a dry substance. Independent claims are also included for the following: (i) a method of forming a cell with a non-aqueous electrolyte by carrying out the above process, using a solution of lithium ions in a n-methyl-2-pyrrolidone solvent and preferably a thin metal foil of aluminum or copper; (ii) apparatus for carrying out the above process; and (iii) a cell with a non-aqueous electrolyte, formed by the above process and method.

IPC 1-7

H01M 6/40; **H01M 4/04**; **H01M 10/04**; **B05D 1/32**

IPC 8 full level

B05D 1/32 (2006.01); **H01M 4/04** (2006.01); **H01M 6/40** (2006.01); **H01M 10/04** (2006.01); **H01M 4/02** (2006.01); **H01M 10/052** (2010.01); **H01M 10/40** (2006.01)

CPC (source: EP KR)

B05D 1/322 (2013.01 - EP); **H01M 4/04** (2013.01 - EP); **H01M 6/40** (2013.01 - EP KR); **H01M 10/0436** (2013.01 - EP); **H01M 10/052** (2013.01 - EP); **H01M 2004/028** (2013.01 - EP); **H01M 2004/029** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

Citation (search report)

See references of WO 9938222A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19802839 A1 19990729; EP 0970531 A1 20000112; JP 2000513493 A 20001010; KR 20010005754 A 20010115; WO 9938222 A1 19990729

DOCDB simple family (application)

DE 19802839 A 19980126; EP 9807580 W 19981124; EP 98963508 A 19981124; JP 53778499 A 19981124; KR 19997008825 A 19990927