

Title (en)

NON-OXIDISED ELECTROLYTE ELECTROCHEMICAL SYSTEM

Title (de)

ELEKTROCHEMISCHES SYSTEM MIT NICHT-OXIDIERTEM ELEKTROLYT

Title (fr)

SYSTEME ELECTROCHIMIQUE A ELECTROLYTE NON OXYDE

Publication

**EP 1779100 A2 20070502 (FR)**

Application

**EP 05791944 A 20050719**

Priority

- FR 2005050593 W 20050719
- FR 0451601 A 20040721

Abstract (en)

[origin: WO2006018568A2] The inventive electrochemical system comprises at least one substrate, at least one electroconductive layer, at least one electrochemically active layer for reversibly inserting ions, in particular cations of H<SUP>+</SUP>, Li<SUP>+</SUP>, Na<SUP>+</SUP>, Ag<SUP>+</SUP>-type or OH anions and at least one electrolyte functionality layer, wherein the electrolyte comprises at least one substantially mineral layer which is embodied in a non-oxidised form and whose ionic conductivity is generated or amplified by incorporating nitrogenous compound(s), in particular nitrided, optionally hydrogenated or fluorinated.

IPC 8 full level

**B32B 17/10** (2006.01); **C03C 17/34** (2006.01); **H01M 6/18** (2006.01); **H01M 10/36** (2010.01)

CPC (source: EP US)

**B32B 17/10036** (2013.01 - EP US); **B32B 17/10174** (2013.01 - EP US); **C03C 17/3411** (2013.01 - EP US); **H01M 6/18** (2013.01 - EP US); **H01M 10/052** (2013.01 - EP US); **H01M 10/0562** (2013.01 - EP US); **G02F 1/1525** (2013.01 - EP US); **H01M 2300/0091** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP)

C-Set (source: EP US)

**B32B 17/10005** + **B32B 2367/00**

Citation (search report)

See references of WO 2006018568A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**FR 2873460 A1 20060127**; **FR 2873460 B1 20061006**; BR PI0513494 A 20080506; CN 101023552 A 20070822; EP 1779100 A2 20070502; JP 2008506998 A 20080306; US 2008006525 A1 20080110; WO 2006018568 A2 20060223; WO 2006018568 A3 20070405

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**FR 0451601 A 20040721**; BR PI0513494 A 20050719; CN 200580031806 A 20050719; EP 05791944 A 20050719; FR 2005050593 W 20050719; JP 2007521995 A 20050719; US 57236305 A 20050719