Title (en)

LITHIUM-MIXED OXIDE PARTICLES COATED WITH METAL-OXIDES

Title (de)

MIT METALLOXIDEN BESCHICHTETE LITHIUM-MISCHOXID-PARTIKEL

Title (fr)

PARTICULES A BASE D'OXYDES MIXTES ET DE LITHIUM, RECOUVERTES D'OXYDES METALLIQUES

Publication

EP 1188196 A1 20020320 (DE)

Application

EP 00929419 A 20000425

Priority

- DE 19922522 A 19990515
- EP 0003682 W 20000425

Abstract (en)

[origin: DE19922522A1] Lithium-mixed oxide particles are coated with one or more metal oxides. An Independent claim is also included for the production of the lithium-mixed oxide particles coated with one or more metal oxides comprising: (a) suspending the particles in an organic solvent; (b) reacting the suspension with a solution of a hydrolyzable metal compound and a hydrolysis solution; (c) filtering off the coated particles; and (d) drying and optionally calcining.

IPC 1-7

H01M 4/50; H01M 4/52; H01M 4/62; H01M 10/40

IPC 8 full level

C01G 45/00 (2006.01); **C01D 15/00** (2006.01); **C01G 51/00** (2006.01); **C01G 53/00** (2006.01); **C09C 3/06** (2006.01); **H01M 4/131** (2010.01); **H01M 4/62** (2006.01); H01M 4/36 (2006.01); H01M 4/50 (2010.01); H01M 4/505 (2010.01); H01M 4/52 (2010.01); H01M 4/525 (2010.01)

CPC (source: EP KR)

C01G 53/50 (2013.01 - KR); **C09C 3/063** (2013.01 - EP); **H01M 4/131** (2013.01 - EP); **H01M 4/366** (2013.01 - EP); C01D 15/02 (2013.01 - KR); C01G 51/42 (2013.01 - KR); C01P 2004/84 (2013.01 - KR); H01M 4/505 (2013.01 - EP); H01M 4/525 (2013.01 - EP); H01M 10/052 (2013.01 - KR); Y02E 60/10 (2013.01 - EP)

Citation (search report)

See references of WO 0070694A1

Cited by

EP2891517A4; US10236503B2

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 19922522 A1 20001116; AU 4751200 A 20001205; BR 0010566 A 20020219; CA 2373756 A1 20001123; CN 1350706 A 20020522; EP 1188196 A1 20020320; JP 2003500318 A 20030107; KR 20020013887 A 20020221; RU 2001132863 A 20030810; WO 0070694 A1 20001123

DOCDB simple family (application)

DE 19922522 A 19990515; AU 4751200 A 20000425; BR 0010566 A 20000425; CA 2373756 A 20000425; CN 00807605 A 20000425; EP 0003682 W 20000425; EP 00929419 A 20000425; JP 2000619043 A 20000425; KR 20017014531 A 20011114; RU 2001132863 A 20000425