

Title (en)

COATING PRECURSOR AND METHOD FOR COATING A SUBSTRATE WITH A REFRACTORY LAYER

Title (de)

VORLÄUFER FÜR BESCHICHTUNG UND VERFAHREN FÜR DIE BESCHICHTUNG EINES SUBSTRATS MIT EINER FEUERFESTEN SCHICHT

Title (fr)

PRECURSEUR DE REVETEMENT ET PROCEDE POUR REVETIR UN SUBSTRAT D'UNE COUCHE REFRACTAIRE

Publication

**EP 1436446 A2 20040714 (FR)**

Application

**EP 02785544 A 20021011**

Priority

- FR 0203485 W 20021011
- FR 0113266 A 20011015

Abstract (en)

[origin: FR2830856A1] Coating precursor comprises a silicone resin, an organic solvent and an inorganic filler capable of reacting with the resin to form a solid layer after solvent evaporation and a cohesive refractory layer after calcination. Independent claims are also included for: (1) a method for coating a substrate with a silicon-containing refractory layer, comprising coating the substrate with the above precursor and calcining the product; (2) an element of a molten salt electrolysis cell for aluminum production with a refractory coating produced using the above precursor; (3) a molten salt electrolysis cell for aluminum production comprising at least one element as above.

IPC 1-7

**C23C 24/08**

IPC 8 full level

**C04B 35/622** (2006.01); **C04B 35/634** (2006.01); **C04B 41/50** (2006.01); **C04B 41/87** (2006.01); **C09D 183/04** (2006.01); **C23C 24/08** (2006.01); **C23C 26/00** (2006.01); **C25C 3/08** (2006.01); **C25C 3/12** (2006.01); **C08K 3/00** (2006.01)

CPC (source: EP US)

**C04B 35/62222** (2013.01 - EP US); **C04B 35/634** (2013.01 - EP US); **C04B 41/009** (2013.01 - EP US); **C04B 41/5031** (2013.01 - EP US); **C04B 41/5035** (2013.01 - EP US); **C04B 41/5037** (2013.01 - EP US); **C04B 41/87** (2013.01 - EP US); **C09D 183/04** (2013.01 - EP US); **C23C 24/08** (2013.01 - EP US); **C23C 26/00** (2013.01 - EP US); **C25C 3/08** (2013.01 - EP US); **C25C 3/125** (2013.01 - EP US); **C04B 2111/00879** (2013.01 - EP US); **C08K 3/013** (2018.01 - EP US)

C-Set (source: EP US)

1. **C04B 41/5035 + C04B 41/4539 + C04B 41/455 + C04B 41/5027**
2. **C04B 41/5035 + C04B 41/4539 + C04B 41/455 + C04B 41/507**
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DOCDB simple family (publication)

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DOCDB simple family (application)

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