

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)

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

Publication

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Application

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Abstract (en)

[origin: WO03033436A2] The invention concerns a coating precursor comprising a silicone resin and a mineral filler, capable of chemically reacting so as to produce a solid layer on a substrate and into a cohesive refractory after a calcining process. The precursor can optionally further comprise an additive for reducing its viscosity. The invention also concerns a method for coating a specific surface of a substrate with at least a coating precursor of the invention, so as to form a raw layer and in carrying out a heat treatment so as to calcine said raw layer and form a cohesive refractory silicone-containing layer. The invention enables to obtain a protective coating resistant to oxidizing surroundings, liquid metal or solid or molten salt.

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