

Title (en)

PROCESS FOR APPLYING COATINGS TO METALS AND RESULTING PRODUCT.

Title (de)

VERFAHREN ZUM AUFBRINGEN VON BESCHICHTUNGEN AUF METALLE UND SO HERGESTELLTE ERZEUGNISSE.

Title (fr)

PROCEDE D'APPLICATION DE REVETEMENTS SUR DES METAUX ET PRODUIT RESULTANT.

Publication

**EP 0198078 A4 19881124 (EN)**

Application

**EP 85905955 A 19851016**

Priority

US 66225384 A 19841017

Abstract (en)

[origin: WO8602290A1] Protective coatings are applied to substrate metals by coating the metal surface, e.g. by dipping the substrate metal (10) in a molten alloy of the coating metals, and then exposing the coating at an elevated temperature to an atmosphere containing a reactive gaseous species which forms an oxide, a nitride, a carbide, a boride or a silicide (13). The coating material is a mixture of the metals M1? and M2? of which M1? forms a stable oxide, nitride, carbide, boride or silicide (13) under the prevailing conditions and of which M2? (12) does not form a stable oxide, nitride, carbide, a boride or silicide. M2? (12) serves to bond the oxide, etc. of M1? (13) to the substrate metal (10). Mixtures of M1? and/or M2? metals may be employed. This method is much easier to carry out than prior methods.

IPC 1-7

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