

Title (en)

METHOD FOR COVERING ELECTRIC STEEL STRIPS WITH AN ANNEALING SEPARATOR

Title (de)

VERFAHREN ZUM BESCHICHTEN VON ELEKTROSTAHLBÄNDERN MIT EINEM GLÜHSEPARATOR

Title (fr)

PROCEDE DE REVETEMENT DE TOLES D'ACIER ELABORE AU FOUR ELECTRIQUE AU MOYEN D'UN SEPARATEUR DE RECUIT

Publication

EP 1029113 A1 20000823 (DE)

Application

EP 98952601 A 19980918

Priority

- DE 19750066 A 19971112
- EP 9805960 W 19980918

Abstract (en)

[origin: WO924639A1] The invention relates to a method for covering electric steel strips with an oxide powder acting as an annealing separator, by applying a solution mainly containing MgO and at least one additive such as a chlorinated compound. The invention is characterised in that ammonium chloride (NH₄Cl or NH₄Cl . nH₂O) is mixed as an additive to the aqueous solution.

IPC 1-7

C23C 26/00; **C21D 8/12**

IPC 8 full level

C23C 22/00 (2006.01); **C21D 8/12** (2006.01); **C21D 9/46** (2006.01); **C23C 26/00** (2006.01)

CPC (source: EP KR US)

C21D 1/68 (2013.01 - KR); **C21D 8/1283** (2013.01 - EP KR US); **C23C 26/00** (2013.01 - EP US)

Citation (search report)

See references of WO 9924639A1

Designated contracting state (EPC)

AT BE CH DE ES FI FR GB IE IT LI LU NL PT SE

DOCDB simple family (publication)

WO 9924639 A1 19990520; AT E201723 T1 20010615; AU 1023999 A 19990531; AU 730568 B2 20010308; BR 9814038 A 20000926; CN 1202284 C 20050518; CN 1278872 A 20010103; CZ 20001647 A3 20010516; CZ 295684 B6 20050914; DE 19750066 C1 19990805; DE 59800806 D1 20010705; EP 1029113 A1 20000823; EP 1029113 B1 20010530; ID 27132 A 20010301; JP 2001522942 A 20011120; JP 4194753 B2 20081210; KR 100560178 B1 20060313; KR 20010031919 A 20010416; PL 187121 B1 20040531; PL 340454 A1 20010212; RU 2000115302 A 20050110; RU 2198958 C2 20030220; SK 285304 B6 20061005; SK 6762000 A3 20010806; TW 416994 B 20010101; US 6423156 B1 20020723; ZA 989390 B 19990415

DOCDB simple family (application)

EP 9805960 W 19980918; AT 98952601 T 19980918; AU 1023999 A 19980918; BR 9814038 A 19980918; CN 98811120 A 19980918; CZ 20001647 A 19980918; DE 19750066 A 19971112; DE 59800806 T 19980918; EP 98952601 A 19980918; ID 20000871 A 19980918; JP 2000519628 A 19980918; KR 20007005021 A 20000509; PL 34045498 A 19980918; RU 2000115302 A 19980918; SK 6762000 A 19980918; TW 87118803 A 19981111; US 55440500 A 20000606; ZA 989390 A 19981014