

Title (en)  
ELEMENT OF A CONTINUOUS METAL CASTING INGOT MOULD WITH A COPPER OR COPPER ALLOY COOLED WALL COMPRISING ON ITS EXTERNAL SURFACE A METAL COATING, AND METHOD OF COATING

Title (de)  
STRANGGUSSKOKILLETEIL MIT EINER METALBESCHICHTER, GEKÜHLTER WAND AUS KUPFER ODER KUPFERLEGIERUNG UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)  
ELEMENT D'UNE LINGOTIERE POUR LA COULEE CONTINUE DES METAUX, COMPRENANT UNE PAROI REFROIDIE EN CUIVRE OU EN ALLIAGE DE CUIVRE COMPORTANT SUR SA SURFACE EXTERNE UN REVETEMENT METALLIQUE, ET PROCEDE POUR SON REVETEMENT

Publication  
**EP 0910489 A1 19990428 (FR)**

Application  
**EP 97930592 A 19970626**

Priority  
• FR 9701139 W 19970626  
• FR 9608658 A 19960711

Abstract (en)  
[origin: WO9802263A1] The invention concerns an element of a continuous metal casting ingot mould with a copper or copper alloy cooled wall to be contacted with liquid metal and comprising on its external surface a metal coating, characterised in that the said coating consists of a silver plating. In a preferred embodiment, this wall is a cylinder hoop for a continuous casting machine of thin metal strips between two cylinders or on one single cylinder. The invention also concerns a method for coating with a metal plating the external surface of a copper or copper alloy cooled wall of an element of a continuous metal casting ingot mould, characterised in that a coating is effected by the deposit of a silver plating on said surface preferably by electrolysis. Preferably, the restoration of said silver plating is done by allowing a residual silver plating to subsist on said wall, and by effecting a re-silvering of said plating by placing said wall in cathode in an electrolysis consisting, for instance, of an aqueous silver cyanide solution, of an alkaline metal cyanide and of an alkaline metal carbonate.

IPC 1-7  
**B22D 11/04**; **C25D 3/46**; **C25D 5/10**

IPC 8 full level  
**B22D 11/04** (2006.01); **B22D 11/059** (2006.01); **B22D 11/06** (2006.01); **C25D 3/46** (2006.01); **C25D 5/10** (2006.01); **C25D 7/00** (2006.01)

CPC (source: EP KR US)  
**B22D 11/04** (2013.01 - KR); **B22D 11/059** (2013.01 - EP US); **C25D 3/46** (2013.01 - EP KR); **C25D 5/10** (2013.01 - EP KR US); **C25D 5/617** (2020.08 - EP US); **C25D 5/67** (2020.08 - EP US)

Citation (search report)  
See references of WO 9802263A1

Cited by  
CN102672437A

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)  
**WO 9802263 A1 19980122**; AT E192951 T1 20000615; AU 3448897 A 19980209; AU 710657 B2 19990923; BR 9710229 A 19990810; CA 2258927 A1 19980122; CN 1072047 C 20011003; CN 1225046 A 19990804; CZ 6499 A3 19991013; DE 69702064 D1 20000621; DE 69702064 T2 20010111; DK 0910489 T3 20001009; EP 0910489 A1 19990428; EP 0910489 B1 20000517; ES 2148994 T3 20001016; FR 2750903 A1 19980116; FR 2750903 B1 19980918; GR 3034001 T3 20001130; JP 2000514361 A 20001031; KR 20000022396 A 20000425; PL 331180 A1 19990621; PT 910489 E 20001031; RO 119994 B1 20050729; RU 2181315 C2 20020420; SK 299 A3 19990507; TR 199900041 T2 19990621; TW 438911 B 20010607; ZA 975970 B 19980130

DOCDB simple family (application)  
**FR 9701139 W 19970626**; AT 97930592 T 19970626; AU 3448897 A 19970626; BR 9710229 A 19970626; CA 2258927 A 19970626; CN 97196281 A 19970626; CZ 6499 A 19970626; DE 69702064 T 19970626; DK 97930592 T 19970626; EP 97930592 A 19970626; ES 97930592 T 19970626; FR 9608658 A 19960711; GR 20000401687 T 20000724; JP 50565398 A 19970626; KR 19980710827 A 19981230; PL 33118097 A 19970626; PT 97930592 T 19970626; RO 9900014 A 19970626; RU 99102726 A 19970626; SK 299 A 19970626; TR 9900041 T 19970626; TW 86112299 A 19970827; ZA 975970 A 19970703