

Title (en)  
PRODUCTION OF CHROMIUM LAYERS ON INTAGLIO PRINTING CYLINDERS

Title (de)  
HERSTELLUNG VON CHROMSCHICHTEN AUF TIEFDRUCKZYLINDERN

Title (fr)  
RÉALISATION DE COUCHES DE CHROME SUR DES CYLINDRES GRAVÉS

Publication  
**EP 3250733 B1 20210714 (DE)**

Application  
**EP 15794193 A 20151113**

Priority  
• DE 102014116717 A 20141114  
• EP 2015076551 W 20151113

Abstract (en)  
[origin: WO2016075287A1] The invention relates to the use of an electrolyte for the electrolyte deposition of chromium as metal on an intaglio printing cylinder, comprising (a) a chromium(III)-salt, (b) a compound of formula (I), wherein R represents NH<sub>2</sub>, OH or SO<sub>3</sub>H and n is a whole number between 1 - 3, (c) formic acid, and (d) at least one additive. The invention also relates to a method for the deposition of a chromium layer, to an intaglio printing cylinder coated with chromium and obtained according to said method, and to an electrolytic cell for coating intaglio printing cylinders with chromium.

IPC 8 full level  
**C25D 3/06** (2006.01); **C25D 3/10** (2006.01); **C25D 5/04** (2006.01); **C25D 5/08** (2006.01); **C25D 7/00** (2006.01); **C25D 17/00** (2006.01); **C25D 17/10** (2006.01)

CPC (source: EP US)  
**C25D 3/06** (2013.01 - EP US); **C25D 3/10** (2013.01 - EP); **C25D 5/04** (2013.01 - EP); **C25D 5/08** (2013.01 - EP US); **C25D 7/00** (2013.01 - EP US); **C25D 17/002** (2013.01 - EP); **C25D 17/10** (2013.01 - EP)

Citation (examination)  
EP 1798313 A2 20070620 - ENTHONE [US]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102014116717 A1 20160519**; EP 3250733 A1 20171206; EP 3250733 B1 20210714; ES 2893649 T3 20220209; PL 3250733 T3 20220131; WO 2016075287 A1 20160519

DOCDB simple family (application)  
**DE 102014116717 A 20141114**; EP 15794193 A 20151113; EP 2015076551 W 20151113; ES 15794193 T 20151113; PL 15794193 T 20151113