

Title (en)

A coating solution for metals and metal alloys

Title (de)

Beschichtungslösung für Metalle und Metallegierungen

Title (fr)

Solution de revêtement pour métaux et des alliages de métaux

Publication

EP 1350866 A1 20031008 (EN)

Application

EP 02007662 A 20020404

Priority

EP 02007662 A 20020404

Abstract (en)

The present invention relates to a coating solution to be applied on the surface of metals or metal alloys, a process for cold forming of metals and metal alloys using said coating solution, and a coated blank made of a metal or a metal alloy.

IPC 1-7

C23C 22/23; C10M 173/02

IPC 8 full level

C10M 105/68 (2006.01); **C10M 111/02** (2006.01); **C10M 173/02** (2006.01); **C23C 22/23** (2006.01)

CPC (source: EP)

C10M 105/68 (2013.01); **C10M 111/02** (2013.01); **C10M 173/02** (2013.01); **C23C 22/23** (2013.01); **C10M 2201/0413** (2013.01);
C10M 2201/0663 (2013.01); **C10M 2201/085** (2013.01); **C10M 2201/0853** (2013.01); **C10M 2201/105** (2013.01); **C10M 2205/14** (2013.01);
C10M 2205/16 (2013.01); **C10M 2205/18** (2013.01); **C10M 2207/126** (2013.01); **C10M 2209/12** (2013.01); **C10M 2219/062** (2013.01);
C10M 2223/04 (2013.01); **C10M 2223/06** (2013.01); **C10N 2010/02** (2013.01); **C10N 2010/12** (2013.01); **C10N 2040/24** (2013.01);
C10N 2040/243 (2020.05); **C10N 2050/02** (2013.01)

Citation (search report)

- [X] US 6309477 B1 20011030 - SHIMAKURA TOSHIAKI [JP], et al
- [A] FR 2378084 A1 19780818 - ROSTOVSKY O NEFTEMASLOZAVOD [SU], et al
- [A] EP 0613939 A2 19940907 - KYODO YUSHI [JP], et al
- [A] EP 0714975 A1 19960605 - SHOWA SHELL SEKIYU [JP] & JP 2001303262 A 20011031 - NIPPON STEEL CORP
- [X] DATABASE CA [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; IZAKI, TERUAKI ET AL: "Plated steel sheet covered with organic film for high corrosion resistance", XP002213347, retrieved from STN Database accession no. 135:347629 CA

Cited by

WO2021163792A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1350866 A1 20031008; AT E332399 T1 20060715; DE 60306569 D1 20060817; DE 60306569 T2 20070621

DOCDB simple family (application)

EP 02007662 A 20020404; AT 03007463 T 20030404; DE 60306569 T 20030404