

Title (en)

LUBRICANT COATED SHEET METAL WITH IMPROVED DEFORMATION PROPERTIES

Title (de)

SCHMIERSTOFFBESCHICHTETES METALLBLECH MIT VERBESSERTEN UMFORMEIGENSCHAFTEN

Title (fr)

TOLE METALLIQUE A REVETEMENT LUBRIFIANT ET A PROPRIETES DE DEFORMATION AMELIOREES

Publication

**EP 1567623 A2 20050831 (DE)**

Application

**EP 03782275 A 20031202**

Priority

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- EP 0313557 W 20031202

Abstract (en)

[origin: WO2004050808A2] The invention relates to sheet metal or a sheet metal blank provided with a lubricant coating, especially an anti-corrosion oil of the Pre-Lube or Dry Lube variety. The sheet metal or sheet metal blank comprises a layer which is formed by applying a solution containing an organic phosphoric acid ester to the metal surface of the sheet metal. Sheet metal provided with said coating has excellent tribological properties.

IPC 1-7

**C10M 137/04**; **B21D 22/20**; **C10M 173/02**; **B21C 9/00**

IPC 8 full level

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CPC (source: EP KR US)

**B21C 9/00** (2013.01 - KR); **B21D 22/20** (2013.01 - KR); **B21D 22/201** (2013.01 - EP US); **C10M 137/04** (2013.01 - KR); **C10M 173/02** (2013.01 - EP KR US); **C23C 22/60** (2013.01 - EP US); **C23C 22/68** (2013.01 - EP US); **C10M 2201/08** (2013.01 - EP US); **C10M 2201/085** (2013.01 - EP US); **C10M 2201/087** (2013.01 - EP US); **C10M 2215/04** (2013.01 - EP US); **C10M 2215/042** (2013.01 - EP US); **C10M 2219/068** (2013.01 - EP US); **C10M 2219/104** (2013.01 - EP US); **C10M 2219/106** (2013.01 - EP US); **C10M 2223/04** (2013.01 - EP US); **C10M 2223/0405** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2040/24** (2013.01 - EP US); **C10N 2050/02** (2013.01 - EP US); **C10N 2050/023** (2020.05 - EP US); **C10N 2070/00** (2013.01 - EP US); **C10N 2080/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2004050808A2

Citation (examination)

- US 5650097 A 19970722 - WYSONG ERNEST BYRON [US], et al
- EP 1123969 A1 20010816 - MOBIL OIL FRANCE [FR]
- US 4880552 A 19891114 - GUESNET PATRICE [FR], et al

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DOCDB simple family (application)

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