Title (en)

SHEET METAL SURFACE TREATMENT METHOD

Title (de)

VERFAHREN ZUR BEHANDLUNG EINER METALLISCHEN BLECHEOBERFLÄCHE

Title (fr)

PROCEDE DE TRAITEMENT DE LA SURFACE METALLIQUE D'UNE TOLE

Publication

EP 0873386 B1 20010321 (FR)

Application

EP 96942385 A 19961211

Priority

- FR 9601979 W 19961211
- FR 9514834 A 19951214

Abstract (en)

[origin: WO9721793A1] A method for preparing sheet metal for stamping and/or protecting it from corrosion by applying an aqueous solution of polyethoxylates of one or more lanolin derivatives, drying the surface to leave a dry deposit, and performing at least one oiling step on the dry deposit. In particular, the method enables stamping operations to be simplified, as even after prolonged storage, no fresh oiling of the treated sheet is required immediately prior to stamping.

IPC 1-7

C10M 173/02; C10M 107/34; C23F 11/173

IPC 8 full level

C10M 107/34 (2006.01); **C10M 173/02** (2006.01)

CPC (source: EP US)

C10M 107/34 (2013.01 - EP US); **C10M 173/02** (2013.01 - EP US); C10M 2201/02 (2013.01 - EP US); C10M 2209/104 (2013.01 - EP US); C10M 2215/042 (2013.01 - EP US); C10N 2030/12 (2013.01 - EP US); C10N 2050/01 (2020.05 - EP US); Y10T 428/31692 (2015.04 - EP US)

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 9721793 A1 19970619; AT 199931 T 20010415; CA 2238840 A1 19970619; CA 2238840 C 20070320; DE 69612217 D1 20010426; DE 69612217 T2 20011115; EP 0873386 A1 19981028; EP 0873386 B1 20010321; ES 2156304 T3 20010616; FR 2742364 A1 19970620; FR 2742364 B1 19980109; US 5997955 A 19991207

DOCDB simple family (application)

FR 9601979 W 19961211; AT 96942385 T 19961211; CA 2238840 A 19961211; DE 69612217 T 19961211; EP 96942385 A 19961211; ES 96942385 T 19961211; FR 9514834 A 19951214; US 9123298 A 19980706