

Title (en)

Tinned and phosphatised sheet and method for producing such a sheet

Title (de)

Verzinktes und phosphatiertes Blech sowie Verfahren zur Herstellung eines solchen Blechs

Title (fr)

Tôle en acier zingué et phosphaté et procédé de fabrication

Publication

**EP 1350865 A3 20041229 (DE)**

Application

**EP 02019252 A 20020828**

Priority

- EP 02019252 A 20020828
- EP 02007688 A 20020405

Abstract (en)

[origin: EP1350865A2] The phosphate layer contains at most 0.05 g/m squared of phosphorus. An Independent claim is included for the corresponding method of manufacture.

IPC 1-7

**C23C 22/07**; **C23C 22/18**; **C23C 28/00**; **C23C 2/26**

IPC 8 full level

**C23C 2/26** (2006.01); **C23C 22/00** (2006.01); **C23C 22/08** (2006.01); **C23C 28/00** (2006.01); **C23C 30/00** (2006.01)

CPC (source: EP US)

**C23C 2/26** (2013.01 - EP US); **C23C 22/00** (2013.01 - EP); **C23C 22/08** (2013.01 - EP); **C23C 28/3225** (2013.01 - EP); **C23C 28/345** (2013.01 - EP); **C23C 30/00** (2013.01 - EP)

Citation (search report)

- [XY] US 5266182 A 19931130 - MUKO RYOICHI [JP], et al
- [Y] US 3308042 A 19670307 - ROBERT LOZANO, et al
- [X] EP 0398203 A1 19901122 - HENKEL CORP [US]
- [XA] EP 0257667 A1 19880302 - BEKAERT SA NV [BE]
- [X] WO 9805804 A1 19980212 - HENKEL CORP [US], et al
- [XA] US 3899364 A 19750812 - EVANS ALBERT EDWARD JOHN, et al
- [X] EP 1067212 A1 20010110 - KAWASAKI STEEL CO [JP]
- [X] PATENT ABSTRACTS OF JAPAN vol. 014, no. 427 (C - 0758) 13 September 1990 (1990-09-13)
- [X] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 09 30 July 1999 (1999-07-30)
- [X] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 02 29 February 2000 (2000-02-29)
- [X] PATENT ABSTRACTS OF JAPAN vol. 014, no. 211 (C - 0715) 2 May 1990 (1990-05-02)

Cited by

DE102018216216A1; CN114787419A; DE102009007909A1; WO2012139769A1; DE102008004728A1; EP2088223A1; WO2020064548A1; EP2841615B1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1350865 A2 20031008**; **EP 1350865 A3 20041229**

DOCDB simple family (application)

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