

Title (en)

STAMPED PATTERNED METAL SHEET, METHOD AND STAMPING APPARATUS FOR PRODUCING SAID METAL SHEET

Title (de)

EINGESTANZTES GEMUSTERTES BLECH, VERFAHREN UND STANZVORRICHTUNG ZUR HERSTELLUNG DIESES BLECHES

Title (fr)

TÔLE ESTAMPÉE À MOTIFS, PROCÉDÉ ET DISPOSITIF D'ESTAMPAGE POUR LA FABRICATION DE CETTE TÔLE

Publication

**EP 2365887 A1 20110921 (DE)**

Application

**EP 09756402 A 20090925**

Priority

- DE 2009001328 W 20090925
- DE 102008048991 A 20080925

Abstract (en)

[origin: WO2010034298A1] The invention proposes a cold-rolled metal sheet (1) having stamped-in tear drop-shaped patterns (2), a method for producing said metal sheet (1), and a stamping apparatus for carrying out the method using a single-stroke tool (9).

IPC 8 full level

**B21D 28/10** (2006.01); **B21D 13/10** (2006.01); **B21D 22/02** (2006.01); **E01C 11/24** (2006.01); **E04F 11/112** (2006.01); **E04F 11/16** (2006.01); **E04F 15/06** (2006.01)

CPC (source: EP)

**B21D 13/02** (2013.01); **B21D 13/10** (2013.01); **E04F 11/112** (2013.01); **E04F 11/16** (2013.01)

Citation (search report)

See references of WO 2010034298A1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

**WO 2010034298 A1 20100401**; DE 102008048991 A1 20100408; DE 102008048991 B4 20110127; DE 202008017563 U1 20100506;  
EP 2365887 A1 20110921

DOCDB simple family (application)

**DE 2009001328 W 20090925**; DE 102008048991 A 20080925; DE 202008017563 U 20080925; EP 09756402 A 20090925