

Title (en)

METHOD AND DEVICE FOR THE MANUFACTURE OF REINFORCED METALLIC STRIPS

Publication

**EP 0141762 B1 19880113 (FR)**

Application

**EP 84420169 A 19841008**

Priority

FR 8316315 A 19831010

Abstract (en)

[origin: US4597277A] Metal sheets of aluminum are provided with raised reinforcing portions of substantial height by rolling. The rolls have recesses or channels (6) whose side faces are in a counter-taper configuration with respect to a plane perpendicular to the axis of the cylinder, with an angle of inclination (  $\alpha$  ) of up to 5 DEG . The resulting product may advantageously be used for producing perforated metal sheets with high modulus of inertia.

IPC 1-7

**B21D 13/04**; **B21B 1/36**; **B21B 15/00**

IPC 8 full level

**B21B 27/00** (2006.01); **B21B 1/22** (2006.01); **B21B 1/36** (2006.01); **B21B 15/00** (2006.01); **B21B 27/02** (2006.01); **B21D 5/08** (2006.01); **B21D 13/04** (2006.01); **B21H 7/00** (2006.01); **B21B 3/00** (2006.01)

CPC (source: EP KR US)

**B21B 27/02** (2013.01 - EP KR US); **B21D 5/08** (2013.01 - EP US); **B21D 13/04** (2013.01 - EP US); **B21H 8/00** (2013.01 - EP US); **B21B 2003/001** (2013.01 - EP US); **B21B 2267/10** (2013.01 - EP US)

Citation (examination)

EP 0084571 A1 19830803 - MITSUBISHI LIGHT METAL IND [JP]

Cited by

CN102767260A

Designated contracting state (EPC)

AT BE CH DE GB IT LI

DOCDB simple family (publication)

**EP 0141762 A2 19850515**; **EP 0141762 A3 19850619**; **EP 0141762 B1 19880113**; AT E31882 T1 19880115; DE 3468632 D1 19880218; FR 2553013 A1 19850412; FR 2553013 B1 19860905; GR 80534 B 19841023; JP S6096309 A 19850529; KR 850003847 A 19850629; NO 157247 B 19871109; NO 157247 C 19880217; NO 844040 L 19850411; US 4597277 A 19860701

DOCDB simple family (application)

**EP 84420169 A 19841008**; AT 84420169 T 19841008; DE 3468632 T 19841008; FR 8316315 A 19831010; GR 840180534 A 19841003; JP 20694784 A 19841002; KR 840006177 A 19841005; NO 844040 A 19841009; US 65356284 A 19840924