

Title (en)
Apparatus for making expanded sheet metal.

Title (de)
Vorrichtung zur Herstellung von Streckmetall.

Title (fr)
Dispositif de fabrication de métal étiré.

Publication
EP 0340619 B1 19940803 (DE)

Application
EP 89107563 A 19890426

Priority
DE 3814448 A 19880428

Abstract (en)
[origin: WO8910219A1] Stretchable material means a foil-like material, usually metal, including a plurality of mutually parallel incisions so that said material can be stretched out in a direction perpendicular to the incisions, whereby the material is shortened in length and the webs of material remaining between the incisions constitute a more or less open lattice work. The invention relates to a specially designed device for producing the stretchable material, including a special configuration of the cutting rollers, whereby the individual annular cutting webs of the cutting rollers have, in their lateral areas, recesses of a trapezoidal shape when looking down on the cutting roller. Said invention also relates to the special design of the stretching device, whereby the ribbon-shaped, not yet stretched material that passes through said device is seized and held laterally by two toothed belts while simultaneously the centre of the material to be stretched abuts against an element turning at a corresponding speed, for example a round belt, which rises from the plane of the toothed belt sufficiently for the material to be laterally stretched in the required manner.

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B21D 31/04

IPC 8 full level
B21D 31/04 (2006.01)

CPC (source: EP US)
B21D 31/046 (2013.01 - EP US); **Y10T 29/18** (2015.01 - EP US)

Citation (examination)
DE 3504136 A1 19850822 - SCHRENK HANNES [AT]

Cited by
AT505393B1; AU727563B2; CN1117640C; WO03041888A1; WO0008403A1; US6297470B1; WO9741980A1

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