

Title (en)

Method and apparatus to produce a thin sheet or a foil of metallic material by rolling

Title (de)

Verfahren und Anlage zur Herstellung eines Feinblechs oder einer Folie aus einem metallischen Werkstoff durch Walzen

Title (fr)

Procédé et machine pour la production d'une tôle mince ou d'une feuille de matière métallique par laminage

Publication

**EP 1607147 A1 20051221 (DE)**

Application

**EP 04014179 A 20040617**

Priority

EP 04014179 A 20040617

Abstract (en)

The machine (1) hot rolls a thin metal foil (17). The foil is pulled off a first reel (2) and is wound up on a second reel (3) after passing between the pressure rollers (4,5). The pressure rollers are pressed together with a force of at least 3000 kN and are made of ceramic material. The pressure rollers are unheated. The foil is heated by passing an electric current between contacts (18,19) before and after the pressure rollers. There are pyrometers (21,22) placed on the other side of the foil from the contacts. The top and bottom pressure rollers are supported by top (6-10) and bottom (11-15) arrays of backup rollers.

Abstract (de)

Zur Herstellung eines Feinblechs oder einer Folie aus einem metallischen Werkstoff durch Walzen wird das in der Umformzone auf eine vorgegebene Temperatur erwärmte Walzgut (17) mit nicht beheizten Arbeitswalzen (4,5) aus keramischem Material in einer Schutzgasatmosphäre gewalzt.

IPC 1-7

**B21B 9/00**; B21B 1/40; B21B 3/00; B21B 45/00

IPC 8 full level

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CPC (source: EP)

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