

Title (en)

Device for two sided incremental sheet forming

Title (de)

Vorrichtung zur zweiseitigen inkrementellen Blechumformung

Title (fr)

Dispositif de mise en forme incrémentale d'une tôle agissant sur les deux cotés de la tôle

Publication

**EP 2505279 A1 20121003 (EN)**

Application

**EP 11462004 A 20110329**

Priority

EP 11462004 A 20110329

Abstract (en)

The invention relates to a device for two sided incremental sheet forming comprising a sheet plate clamp frame (2) for gripping a sheet (4) around its perimeter, supports (3) for holding said clamp frame (2) on a base plate (1), an upper forming tool (5) above the sheet (4), a lower forming tool (6) below the sheet (4) and means (7) for synchronised moving said tools facing each other. According to the invention the means (7) for synchronised moving the forming tools is a mechanical movement copying device and there are means for moving the lower forming tool (6) on the surface of the base plate (1) according to axes X and Y. The means for moving the lower forming tool (6) on the surface of the base plate (1) contains at least one ball transfer unit (8), which may be provided with an electric, mechanic, pneumatic or hydraulic drive.

IPC 8 full level

**B21D 31/00** (2006.01)

CPC (source: EP)

**B21D 31/00** (2013.01); **B21D 31/005** (2013.01)

Citation (applicant)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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