

Title (en)

Embossing a flat metal blank (method and apparatus)

Title (de)

Prägen eines flachen Blechstücks (Verfahren und Vorrichtung)

Title (fr)

Embossage d'ébauche de métal plat (procédé et appareil)

Publication

EP 2687383 B1 20151118 (EN)

Application

EP 12184555 A 20120914

Priority

- EP 12176954 A 20120718
- EP 12184555 A 20120914

Abstract (en)

[origin: EP2687383A1] Tool and method for embossing an artifact into a wall of a three-piece can, wherein a flat sheet or blank (s) of metal is transported along a transport bed (10) by several spaced apart groups of rollers (20,22,24), each having a top and a bottom roller. A rotating embossing roller pair (30) is provided between two of the groups of transport rollers, and driven by a servo drive (38). It embosses the artifact (11,11') into the flat, transported sheet or blank. The transport rollers, the embossing rollers and the sheet or blank have the same speed at the surface of the blank during embossing the artifact into the blank or sheet, and a length position of the artifact in the sheet or blank is determined, adjusted or corrected by a speed and position control (40) of the servo drive, driving the embossing roller pair (30) and shaping a cylindrical base shape of the can wall (15).

IPC 8 full level

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CPC (source: EP RU US)

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B44B 5/0009 (2013.01 - EP US); **B44B 5/0095** (2013.01 - EP US); **B65D 7/42** (2013.01 - US); **B21H 8/005** (2013.01 - EP US)

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DOCDB simple family (publication)

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DK 2687383 T3 20160215; ES 2561884 T3 20160301; JP 2015526293 A 20150910; JP 6223447 B2 20171101; RU 2015100409 A 20160910;
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