

Title (en)

METHOD AND TOOL FOR PROVIDING CONVEXITIES

Title (de)

VERFAHREN UND WERKZEUG ZUR BEREITSTELLUNG VON KONVEXITÄTEN

Title (fr)

PROCEDE ET OUTIL POUR FORMER DES CONVEXITES

Publication

**EP 1439921 B1 20071017 (EN)**

Application

**EP 02773047 A 20021024**

Priority

- NO 0200386 W 20021024
- NO 20015217 A 20011025

Abstract (en)

[origin: WO03035300A1] A tool for producing convexities in a plate, comprising a first (12) and a second (13) roller, where at least one roller (12, 13) has a plurality of raised parts (17) arranged in a row along a straight line and at least one roller has a plurality of recesses (16), the raised parts (17) on the first roller (12) fitting into the recesses (16) on the second roller (13). The rollers are designed to roll the plate to be thinner in areas outside of the convexities.

IPC 8 full level

**B21D 28/12** (2006.01); **B21D 28/10** (2006.01); **B21D 28/36** (2006.01); **B21D 31/04** (2006.01)

CPC (source: EP)

**B21D 28/10** (2013.01); **B21D 28/36** (2013.01); **B21D 31/046** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**WO 03035300 A1 20030501**; AT E375829 T1 20071115; DE 60223065 D1 20071129; EP 1439921 A1 20040728; EP 1439921 B1 20071017; NO 20015217 D0 20011025; NO 20015217 L 20030428; NO 316656 B1 20040322

DOCDB simple family (application)

**NO 0200386 W 20021024**; AT 02773047 T 20021024; DE 60223065 T 20021024; EP 02773047 A 20021024; NO 20015217 A 20011025