

Title (en)

Tool assembly for shaping the border of a tub on a metallic tub blank

Title (de)

Werkzeuganordnung zum Umformen eines Wannenrandes an einem metallischen Wannenrohling

Title (fr)

Agencement d'outils pour le formage d'un rebord de cuve sur une ébauche de cuve métallique

Publication

EP 2295162 B1 20131113 (DE)

Application

EP 09011694 A 20090912

Priority

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Abstract (en)

[origin: EP2295162A1] The tool arrangement comprises a tool lower portion (2), which has a clamping plate (4), a height positioning frame arranged on the clamping plate, and an ejector plate inserted inside the height positioning frame. A tool upper portion (3) is provided, which has another clamping plate (8), an embossing frame (9) arranged on the latter clamping plate, and a press pad (10) fastened at the latter clamping plate.

IPC 8 full level

B21D 19/08 (2006.01); **B21D 22/22** (2006.01); **B21D 22/26** (2006.01); **B21D 37/02** (2006.01); **B21D 51/18** (2006.01)

CPC (source: EP)

B21D 19/08 (2013.01); **B21D 22/26** (2013.01); **B21D 37/02** (2013.01); **B21D 51/18** (2013.01)

Cited by

CN110280663A; CN105798099A; EP3459410A1; EP2669025A4; US9126253B2; DE102022114727A1

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DOCDB simple family (publication)

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