

Title (en)

Improvement in a plate bending process and related machine.

Title (de)

Verbesserung in einem Blechbiegeverfahren und zugehörige Maschine.

Title (fr)

Amélioration dans une méthode de pliage des tôles et machine associée.

Publication

EP 0610706 A1 19940817 (EN)

Application

EP 94100971 A 19940124

Priority

IT PN930005 A 19930208

Abstract (en)

Process for bending a plate (1) of press-formable material, comprising the use of a blank-holder means (4) to firmly hold the plate on its horizontal plane between said blank-holder means and an appropriate anvil (2), and the subsequent actuation of a knife-shaped tool (11) to perform the bending operation, in which said actuation of said knife-shaped tool (11) consists of a first purely translational movement and a second purely rotational movement, wherein said first purely translational movement brings about a first bending by a 90 DEG -angle of the edge portion of the plate to be bent, and said second purely rotational movement is effective in increasing the bending angle to any greater angle than 90 DEG .
<IMAGE>

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B21D 5/04

IPC 8 full level

B21D 5/04 (2006.01)

CPC (source: EP)

B21D 5/042 (2013.01); **B21D 5/045** (2013.01)

Citation (search report)

- [XA] EP 0089904 A1 19830928 - PAUZIN ALEXIS
- [XA] PATENT ABSTRACTS OF JAPAN vol. 8, no. 132 (M - 303)<1569> 20 June 1984 (1984-06-20)
- [XA] PATENT ABSTRACTS OF JAPAN vol. 13, no. 163 (M - 816) 19 April 1989 (1989-04-19)

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WO2018055193A1; CN104190757A; EP3932577A1; CN106001271A; CN102294399A; CN108480425A; CN109789466A; CN113083952A; CN109127895A; EP3753645A1; IT201900009657A1; EP1584385A1; US11618068B2; US7237419B2; EP3357597A1; US11478835B2

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