

Title (en)
Press brake

Title (de)
Biegepresse

Title (fr)
Presse plieuse

Publication
EP 1529571 A1 20050511 (EN)

Application
EP 03104105 A 20031106

Priority
EP 03104105 A 20031106

Abstract (en)
A press brake is described comprising folding tools (3) that can be fitted in a movable beam (1) by means of a receiving and clamping arrangement, which receiving and clamping arrangement consists at least of recesses (2) formed in said beam for accommodating the folding tools, a clamping plate (6) being pivotable about a pivot axis (15), which clamping plate has an end (9) intended to engage the tools present in said recesses, and a driving arrangement engaging said clamping plate, which functions to cause the clamping plate to pivot about its pivot axis. In order to prevent excessive torsion of the clamping plate at the engaging end thereof, the end of the clamping plate that engages the folding tools and the point of engagement of the driving arrangement are located on opposite sides of the pivot axis. In this press brake, from the centre of the clamping plate outwardly successive cuts (16) enclose an ever increasing angle with the perpendicular to the edge (18) of the clamping plate in such a manner, that the cuts mutually converge in a direction from said edge towards said pivot axis. <IMAGE>

IPC 1-7
B21D 5/02

IPC 8 full level
B21D 5/02 (2006.01)

CPC (source: EP)
B21D 5/0209 (2013.01); **B21D 5/0236** (2013.01)

Citation (search report)
[A] US 6003360 A 19991221 - RUNK DAVID M [US], et al

Cited by
DE102009021558B4; NL2009340C2; JP2018134684A; IT201900006656A1; US10144049B2; WO2014007640A1; WO2020225761A1

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