

Title (en)
BENDING MACHINE

Publication
EP 0022122 B1 19830223 (DE)

Application
EP 80890061 A 19800604

Priority
AT 434079 A 19790620

Abstract (en)
[origin: US4356716A] A bending machine for flanging sheet metal elements comprises retaining rams for gripping a sheet metal element and at least one drivable bending tool, which is movable about a backing tool that is constituted by an end portion of one retaining ram. To avoid a restriction regarding the path along which the bending tool can be moved, the bending tool is mounted to be movable in two directions, which are approximately at right angles to each other, and separate drive means are provided for moving the bending tools in said two directions, respectively.

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B21D 5/04

IPC 8 full level
B21D 19/08 (2006.01); **B21D 5/04** (2006.01); **B21D 19/12** (2006.01)

CPC (source: EP US)
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Citation (examination)
GB 1090662 A 19671115 - WILFRED ERNEST GALE

Cited by
EP0069661A1; FR2509204A1; CN111872190A; EP0353680A3; DE3826310A1; GB2154165A; US4658624A; EP0293964A3; EP0298056A3; CN112338025A; EP1057547A1; CN111804782A; EP0338949A1; FR2630356A1; US4944176A; EP0490828A1; DE3605815A1; ITMI20121583A1; EP2711102A1; RU2638655C2; US9314829B2; US6470727B1; WO2019015202A1; WO8500766A1; EP0077314B1

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EP 80890061 A 19800604; AR 28138580 A 19800612; AT 434079 A 19790620; BR 8003853 A 19800620; DE 3062120 T 19800604; JP 8097580 A 19800617; US 15940080 A 19800613