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(54) Apparatus for bending a metal sheet

(57) An apparatus for bending a metal sheet (1) comprises a frame (2), a stationary lower beam (3) with a lower clamp (4), a movable upper beam (5) with an upper clamp (6), said clamps each having a clamping face for clamping a metal sheet in a working position, a lower bending beam (7) and an upper bending beam (8) for bending a clamped metal sheet upwardly and downwardly, respectively, said bending beams each at both sides being supported rotatably around a corresponding axis in a support plate (9), said support plates being movably mounted in the frame in such a manner that the lower or upper bending beam can be moved into a

working position, in which its axis is substantially in the plane of the clamping face of the lower or upper clamp, respectively. Further a device (12) for holding the metal sheet is provided, said holding device being provided with a mainly C-shaped frame (13) with a slide (14) movable backwards and forwards between a front and a back position on a slide bed (15), the legs (17, 18) of the C-shaped frame carrying a lower and upper disc (19, 20), respectively, adapted to engage a metal sheet in a working position. In the front position of the slide the legs of the C-shaped frame extend between the upper and lower beams and the lower and upper discs adjoin the clamps.

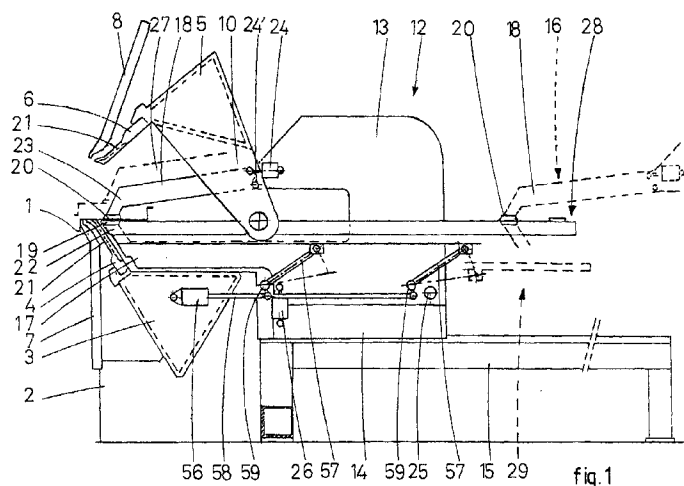


fig.1

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EUROPEAN SEARCH REPORT

Application Number
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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			B21D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 13 April 1999	Examiner Ris, M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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