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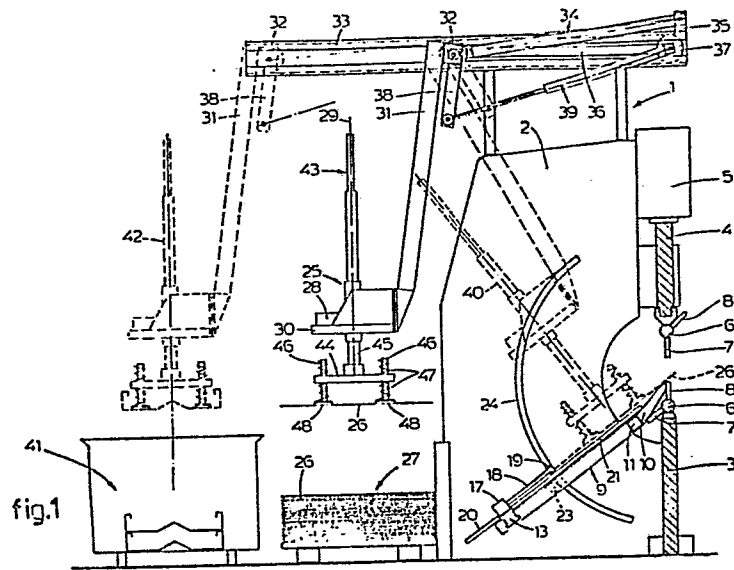
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(54) **Method and apparatus for bending sheet-like work pieces.**

(57) An apparatus for bending sheet-like work pieces comprise a main frame (1), a die (7) having a longitudinally extending groove, a stamp (8), a stop (49-51) for determining the position of a work piece with respect to the die (7), clamping means for clamping a working piece and a frame (9). The frame (9) supports the stop and the clamping means (19) and is pivotably around a pivot axis substantially coinciding with the groove of the die (7). Further the apparatus includes a lifting arm (25) for the work pieces pivotably connected with the main frame (1).

The frame (9) is pivoted into a position extending obliquely downwardly from the pivot axis and a work piece is picked up from a storage location by the lifting arm (25) and is laid on the obliquely pivoted frame (9). Thereby the work piece automatically shifts against the stop (49-51), whereafter the work piece is clamped in the position as determined by the stop (49-51) and the frame (7) is pivoted into a substantially horizontal position.

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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
Y	US-A-2 433 841 (GLUD) * figures 1,2; column 3, line 65 - column 4, line 73 *	1,3	B 21 D 5/02 B 21 D 43/24
A	---	2,4-23	
D,Y	EP-A-0 140 394 (LIET) * figure 10; page 3, line 35 - page 4, line 24 *	1,3	
A	---	2,4-23	
A	GB-A-2 082 094 (NAGOYA KIKO KABUSHIKI KAISHA) * figure 3 *	3	
A	FR-A-2 556 988 (ROUSSELIN) * figure 2 *	3-7	
A	AT-B- 261 363 (HAEMMERLE) * figure 1 *	3-7	
A	DE-B-1 176 816 (BETEILIGUNGS- UND PATENTVERWALTUNGSGESELLSCHAFT) * figures 1,2, claims 1,2 *	8-12	TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
A	PATENT ABSTRACTS OF JAPAN, vol. 8, no. 189 (M-321)(1626), 30th August 1984; & JP - A - 59 78725 (SHINMEIWA KOGYO K.K.) 07-05-1984 -----	19-22	B 21 D 43/00 B 21 D 5/00
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 25-05-1988	Examiner ASH
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	