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(71) Applicant: **S.I.L.L.E.M. SOCIETA 'ITALIANA LAVORAZIONE LEGNO E METALLI S.P.A.**
Via Brunetti 9
I-20156 Milan(IT)

(72) Inventor: **Muffolini, Giannino**
Via Marconi, 121
I-20092 Cinisello Balsamo Milan(IT)

(74) Representative: **Luksch, Giorgio, Dr.-Ing. et al,**
Ing. A. Giambrocono & C. S.r.l. Via Rosolino Pilo, 19/b
I-20129 Milano(IT)

(54) Machine for the centreless abrasive machining of tubes, bars and the like.

(57) The machine for the centreless abrasive machining of tubes, bars and similar bodies or workpieces (6), comprises a preferably modular bed (A,B,C) supporting at least one workpiece rest unit (E) formed from idle rollers or wheels (13,14,24,25) and able to be variously inclined to the workpiece feed direction, and at least one unit (D) which, besides acting as a rest by way of rollers or wheels, rotates and feeds the workpiece (6) in consequence of the operation of at least one of its rest rollers or wheels (13). This latter unit (D) also comprises an idle presser roller (36) which acts on the workpiece (6) by way of a control device (33) operated by pressurised fluid and can be inclined in the reverse direction to the inclination of the rest rollers or wheels (13,14,24,25). A single control member, for example in the form of a handwheel (40), enables both the rest rollers (13,14,24,25) and the presser roller (36) to assume the required inclinations by virtue of a linkage (42-45) between the handwheel (40) and units (D,E).

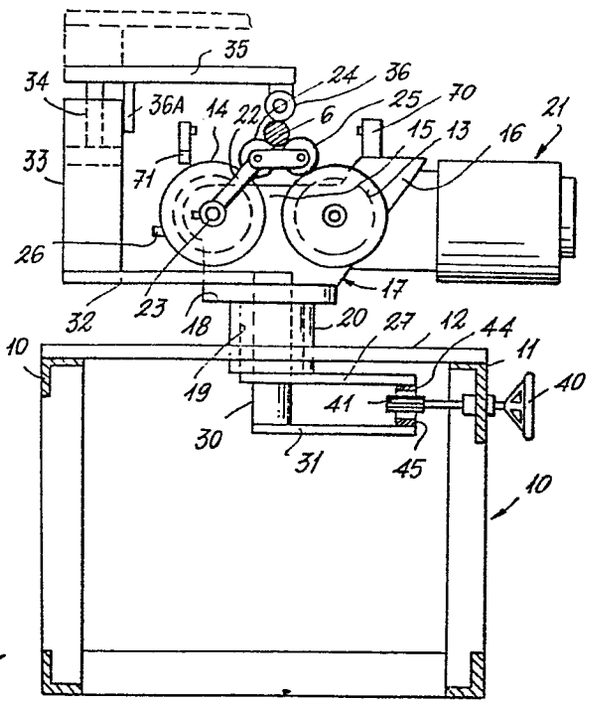

Fig. 3

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EUROPEAN SEARCH REPORT

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EP 84 11 6506

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)
A	US-A-3 655 067 (WHITE) * column 3, lines 28-38; column 5, lines 22-75; claim 11; figures 1, 5, 6 *	1,3,6	B 24 B 5/38
A	US-A-3 474 914 (KAPLAN) * column 4, lines 36-39; column 7, line 54 - column 8, line 29; claim 3; figures 1, 2, 4 *	1	
A	US-A-3 836 028 (AUSTIN) * claim 1; figures 1-5 *	1,3	
A	GB-A-1 364 944 (BRITISH STEEL) * page 2, lines 3-35; figure 2 *	1	
A	US-A-2 754 640 (FULLER et al.) * column 1, lines 21-55; figures 1, 2, 8 *	1	TECHNICAL FIELDS SEARCHED (Int Cl.4)
A	CH-A- 216 024 (MALCUS HOLMQUIST) * page 1, lines 1-36; page 4, line 82 - page 5, line 84; figures 1, 2 *	1,3	B 23 Q 7/05 B 24 B 5/00 B 24 B 41/00
A	US-A-4 107 880 (RANDALL) * figure 2 *	2	

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
BERLIN	01-12-1986	MARTIN A.E.W.

CATEGORY OF CITED DOCUMENTS

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