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(54) **Mechanism for actuating the sley and the belts of grippers in a weaving loom**

(57) In a mechanism for actuating the sley (7) and the belts (N) of grippers (Z) in weaving looms, the continuous rotary movement of the main axis (A) of the loom is transferred, by means of an angular transmission comprising a bevel gear pair (2), to a secondary shaft (1) which is perpendicular thereto. A pair of conjugate

radial cams (3) is keyed onto the secondary shaft (1) and causes, by means of an associated rocker arm (9), the movement of the gear wheel (D) driving the belts (N) of the grippers (Z). A spherical cam (4) is also axially mounted on the free end of said secondary shaft (1), said cam actuating a rocker arm (6), the fulcrum of which is directly connected to the shaft of the sley (7).

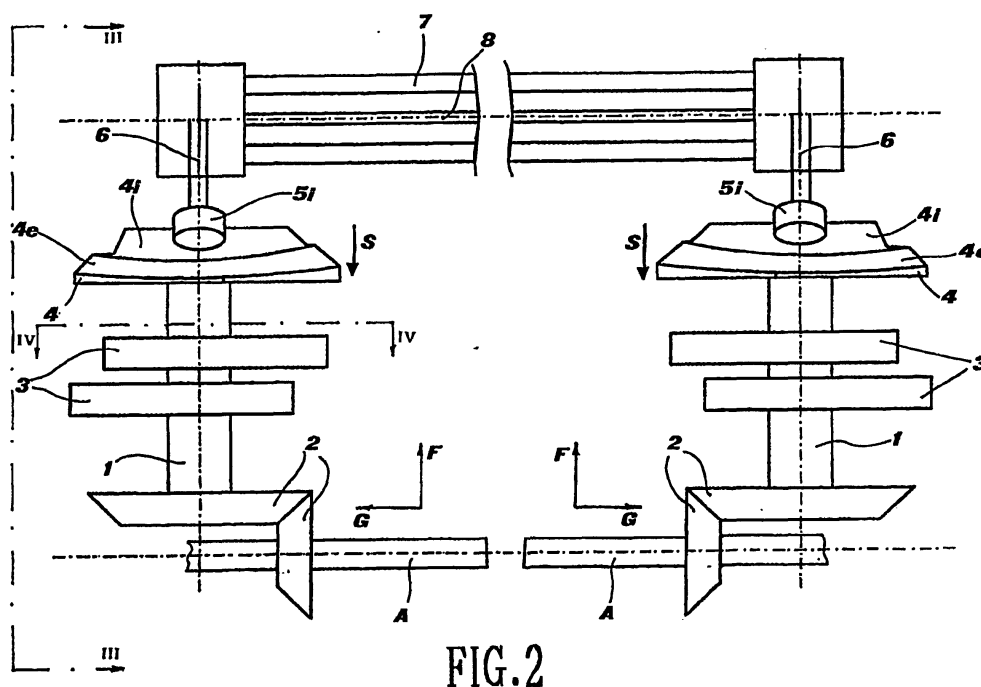


FIG. 2



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 12 0738

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.7)
X	EP 0 293 965 A (COLOMBO FILIPPETTI S R L) 7 December 1988 (1988-12-07)	1	D03D47/27 D03D49/60
A	* column 1, line 34 - line 43; figure 1 * ---	2	
A	GB 2 177 429 A (SAURER DIEDERICH S A) 21 January 1987 (1987-01-21) * claim 1; figure 1 * ---	1	
A	US 4 553 571 A (ARNDT STEPHAN ET AL) 19 November 1985 (1985-11-19) * claim 1; figure 1 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			D03D F16H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11 July 2003	Examiner D'Souza, J
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
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 12 0738

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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11-07-2003

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0293965	A	07-12-1988	IT	1204675 B	10-03-1989
			AT	77420 T	15-07-1992
			DE	3872057 D1	23-07-1992
			DE	3872057 T2	03-12-1992
			EP	0293965 A1	07-12-1988

GB 2177429	A	21-01-1987	FR	2584425 A1	09-01-1987
			BE	905027 A1	03-11-1986
			DE	3620688 A1	15-01-1987
			IT	1189593 B	04-02-1988
			JP	62015356 A	23-01-1987

US 4553571	A	19-11-1985	DE	3320064 A1	29-12-1983
			BE	899141 A	02-07-1984
			CH	662373 A5	30-09-1987
			FR	2553439 A1	19-04-1985
			GB	2140832 A , B	05-12-1984
			IT	1179710 B	16-09-1987
			JP	1355282 C	24-12-1986
			JP	59228049 A	21-12-1984
			JP	61019746 B	19-05-1986
