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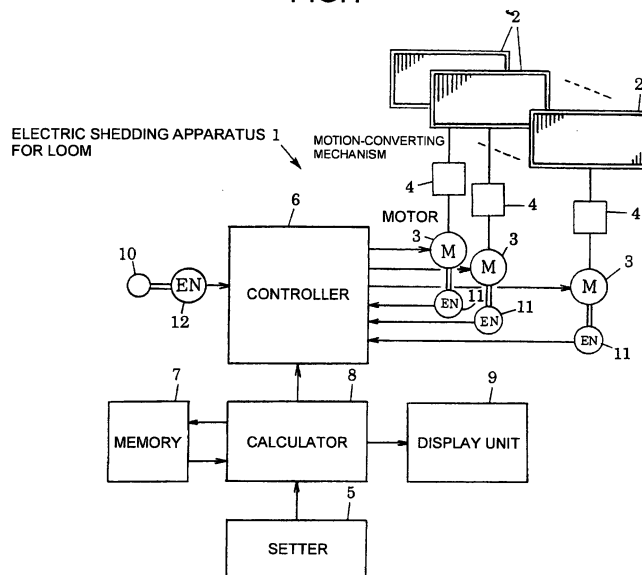
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(54) **Electric shedding apparatus for loom**

(57) An electric shedding apparatus (1) for a loom drives a plurality of heald frames (2) with dedicated motors (3). The electric shedding apparatus (1) includes a setter (5) that sets a shedding motion condition including a plurality of items for driving each heald frame (2), a controller (6) that controls the rotation of each motor (3) on the basis of the set shedding motion condition, a mem-

ory (7) that stores a database including a plurality of shedding motion conditions and loads applied to each motor (3) if the corresponding heald frame (2) is driven under the shedding motion conditions, and a calculator (8) that determines a load corresponding to the set shedding motion condition on the basis of the set shedding motion condition and the database.

FIG.1





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 1 065 306 A2 (TOYODA AUTOMATIC LOOM WORKS [JP] TOYOTA JIDOSHOKKI KK [JP]) 3 January 2001 (2001-01-03) * paragraphs [0019] - [0027]; figures 1-9 *	1-9	INV. D03C5/00 D03D51/00
A	EP 0 761 856 A2 (TOYODA AUTOMATIC LOOM WORKS [JP] TOYOTA JIDOSHOKKI KK [JP]) 12 March 1997 (1997-03-12) * column 5, line 48 - column 6, line 23; figures 1-7 * -----	1-9	
			TECHNICAL FIELDS SEARCHED (IPC)
			D03D D03C
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 2 February 2007	Examiner Louter, Petrus
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 05 02 1461

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 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

02-02-2007

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1065306	A2	03-01-2001	NONE

EP 0761856	A2	12-03-1997	DE 69620960 D1 06-06-2002
			DE 69620960 T2 21-11-2002
			JP 3214307 B2 02-10-2001
			JP 9078388 A 25-03-1997

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82