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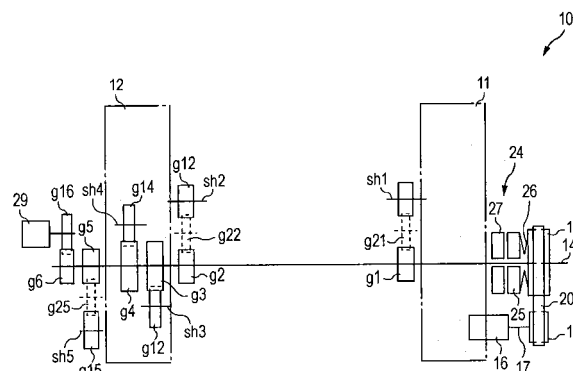
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(54) **Driving apparatus for loom**

(57) A driving apparatus (30, 50) for a loom (10) includes a main shaft (14) that transmits a rotational force to devices included in the loom (10), an alternating-current motor (16), a speed-reducing mechanism for transmitting rotation of the motor (16) to the main shaft (14) while reducing a rotational speed of the motor (16) at a predetermined ratio, an electromagnetic brake (24) that applies a braking torque to the main shaft (14) when an excitation current is supplied thereto, a drive circuit (34) that supplies alternating-current power to the motor (16), and a brake circuit (36) that supplies the excitation current to the electromagnetic brake (24). When the loom (10) stops, the drive circuit (34) outputs an alternating-current voltage at a frequency corresponding to a synchronous speed lower than the actual rotational speed of the motor (16), so that the motor (16) generates a braking torque in a direction opposite to the rotating direction. In addition, the brake circuit (36) outputs the excitation current to stop the main shaft (14).

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 07 00 8337

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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 16 April 2009	Examiner Pussemier, Bart
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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