

Title (en)
Method for braking a loom

Title (de)
Verfahren zum Abbremsen einer Webmaschine

Title (fr)
Procédé de freinage d'un métier à tisser

Publication
EP 1867767 B1 20120613 (EN)

Application
EP 07008337 A 20070424

Priority
JP 2006163242 A 20060613

Abstract (en)
[origin: EP1867767A2] 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).

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CN112132329A; EP3597806A1

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