

Title (en)

Sensor device for determining the angular position of a wash drum of a washing machine

Title (de)

Sensorvorrichtung zur Bestimmung der Winkelposition einer Waschtrommel einer Waschmaschine

Title (fr)

Dispositif capteur pour déterminer la position angulaire d'un tambour de lavage dans une machine à laver

Publication

**EP 1942220 B1 20100414 (EN)**

Application

**EP 07100256 A 20070108**

Priority

EP 07100256 A 20070108

Abstract (en)

[origin: EP1942220A1] There is described a sensor device (11) for determining the angular position of a wash drum (5) of a washing machine (1), which wash drum is mounted inside a wash tub (4) to rotate about an axis of rotation (A), and has a shaft (16) extending through a wall (6) of the wash tub (4); the shaft (16) being fitted with a pulley (7) rotated about the axis of rotation (A) by an electric motor (10); the sensor device (11) has a permanent magnet (12) generating a magnetic field, a sensor (13) for determining the intensity of the magnetic field, and a band (14) of ferromagnetic material fixed to the pulley (7). The sensor (13) and the permanent magnet (12) being fixed stably to the wall (6) of the wash tub (4) so that both face the same outer peripheral edge (15) of the pulley (7).

IPC 8 full level

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