

Title (en)

Security device ensuring the closing of a drum of a washing machine

Title (de)

Sicherheitsvorrichtung mit Garantieverschluss eines Trommels einer Waschmaschine

Title (fr)

Dispositif de sécurité garantissant la fermeture d'un tambour de machine à laver

Publication

**EP 2184392 B1 20120912 (FR)**

Application

**EP 09290602 A 20090731**

Priority

FR 0806242 A 20081107

Abstract (en)

[origin: EP2184392A1] The device has a double door equipped with male and female corners, and cylindrical half bars (2b) actuated by handles (2a). A reverse T shaped mechanical sensor (3) is mounted in a fixed upper part of a washing machine above a drum (1). Displacement of the sensor higher than a predetermined threshold permits measurement of abnormal gap of the handles, significant deformation of the drum and/or leafs of the door under the action of rotation forces, and/or excessive wear of bearings or rollers supporting the drum and controlling a brake device that stops rotation of the drum.

IPC 8 full level

**D06F 37/10** (2006.01); **D06F 34/20** (2020.01)

CPC (source: EP US)

**D06F 37/10** (2013.01 - EP US); **D06F 34/20** (2020.02 - EP US); **D06F 37/42** (2013.01 - EP US)

Cited by

WO2016180381A1; EP3309287A1; EP4079956A1; US10087563B2

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DOCDB simple family (publication)

**EP 2184392 A1 20100512**; **EP 2184392 B1 20120912**; FR 2938272 A1 20100514; FR 2938272 B1 20101217; SI 2184392 T1 20130131

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