

Title (en)

Laundry dryer and method for detecting the drum rotation

Title (de)

Haushaltswäschetrockner und Verfahren zum Erkennen einer Drehbewegung einer Trommel

Title (fr)

Machine à sécher et procédé de détection de la rotation du tambour

Publication

EP 1775369 B1 20090107 (DE)

Application

EP 06120561 A 20060913

Priority

DE 102005048890 A 20051012

Abstract (en)

[origin: EP1775369A1] The opposing conducting armatures (46,48) of a capacitive sensor (45) form an electrical capacitor and are arranged rigidly on the part rotating with the drum (16) to form a gap between the armatures for an insulating dielectric. The capacitance variation is detected by a measuring device (54) connected to the armatures by measuring cables (56,58). If the rotary movement of the drum is interrupted, there is no capacitance variation of the sensor and the drum is stopped. A fault signal is transmitted to a program control (40) through a signal cable (60). An independent claim is included for the method of detecting the rotary movement of a drum of a domestic layer.

IPC 8 full level

D06F 34/20 (2020.01); **D06F 58/50** (2020.01)

CPC (source: EP US)

D06F 34/20 (2020.02 - EP US); **D06F 58/50** (2020.02 - EP US); **D06F 2103/24** (2020.02 - EP US); **D06F 2105/00** (2020.02 - EP US); **D06F 2105/28** (2020.02 - EP US); **D06F 2105/46** (2020.02 - EP US); **D06F 2105/58** (2020.02 - EP US)

Cited by

CN104968852A; RU2614590C2; WO2014118131A1; EP3960922A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1775369 A1 20070418; **EP 1775369 B1 20090107**; AT E420237 T1 20090115; DE 102005048890 A1 20070419; DE 502006002563 D1 20090226; US 2007079526 A1 20070412

DOCDB simple family (application)

EP 06120561 A 20060913; AT 06120561 T 20060913; DE 102005048890 A 20051012; DE 502006002563 T 20060913; US 54666806 A 20061011