

Title (en)

Dry-cleaning washing machine with infrared gas detector

Title (de)

Trockenreinigungsmaschine mit Infrarot-Gasdetektor

Title (fr)

Machine de lavage et nettoyage à sec dotée d'un détecteur de gaz infrarouge

Publication

**EP 1959047 B1 20100120 (EN)**

Application

**EP 07102542 A 20070216**

Priority

EP 07102542 A 20070216

Abstract (en)

[origin: EP1959047A1] Household dry-cleaning washing machine comprising a tub (10) wherein a perforated drum (12) to store clothes is rotating and a closed circuit (14) to let a solvent like decamethylcyclopentasiloxane (D5) circulating in an air stream across the drum. The circuit comprises a condenser (16), a heater (18) and a fan (20). At least a gas sensor (22) is provided to detect the solvent concentration in air, as well as to deliver a relevant data to an electronic device (38) to control the machine. The gas sensor (22) is an infrared device (IR) which is positioned outside the closed air circuit (14) and is connected therewith, in such a way that the gas solvent may be made to circulate along an optical path (28) wherein the solvent flows by absorbing IR energy.

IPC 8 full level

**D06F 43/00** (2006.01); **D06F 34/14** (2020.01)

CPC (source: EP US)

**D06F 34/14** (2020.02 - EP US); **D06F 43/00** (2013.01 - EP US); **D06F 37/42** (2013.01 - EP US); **D06F 58/50** (2020.02 - EP US); **D06F 2103/28** (2020.02 - EP US); **D06F 2105/58** (2020.02 - EP US)

Cited by

CN104746320A; US2012017466A1; US8601717B2; US8833095B2; US8528227B2

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