

Title (en)

WASHING MACHINE ODOR REDUCTION SYSTEMS

Title (de)

GERUCHUNTERDRÜCKUNGSSYSTEME FÜR WASCHMASCHINEN

Title (fr)

SYSTÈMES DE RÉDUCTION D'ODEUR DE MACHINES À LAVER

Publication

EP 2773802 A4 20150311 (EN)

Application

EP 12846520 A 20121030

Priority

- US 201161553356 P 201111031
- US 201261662670 P 20120621
- US 201261698643 P 20120909
- US 2012062554 W 20121030

Abstract (en)

[origin: US2013104607A1] Systems for reducing odors in washing machines such as front-loading washing machines, where a fan draws air from outside the washing machine through an air inlet, circulates the air through a lower portion of the washing machine where it reduces humidity and evaporates stagnant water that has accumulated in the lower portion of the washing machine, and exhausts the air from the washing machine through an air outlet. A check valve may be installed in a water discharge line, either upstream or downstream of a pump, to prevent water from flowing back through the discharge line into the washing machine. Humidity sensors may be provided to measure a humidity internal to and external to the washing machine, and the fan may circulate the air through the lower portion of the washing machine in response to determining that the measured internal humidity exceeds the measured external humidity by a predetermined amount.

IPC 8 full level

D06F 35/00 (2006.01)

CPC (source: EP KR US)

D06F 25/00 (2013.01 - KR); **D06F 29/00** (2013.01 - EP US); **D06F 37/04** (2013.01 - US); **D06F 39/085** (2013.01 - KR); **D06F 39/10** (2013.01 - EP KR US); **D06F 58/20** (2013.01 - KR); **D06F 58/38** (2020.02 - EP KR US); **D06F 25/00** (2013.01 - EP US); **D06F 58/20** (2013.01 - EP US); **D06F 2103/08** (2020.02 - EP KR US); **D06F 2103/34** (2020.02 - EP KR US); **D06F 2103/36** (2020.02 - EP KR US); **D06F 2105/24** (2020.02 - EP KR US); **D06F 2105/32** (2020.02 - EP US); **D06F 2105/58** (2020.02 - EP KR US)

Citation (search report)

- [X] US 3030793 A 19620424 - DATLOW BENJAMIN A, et al
- [X] US 2011041562 A1 20110224 - BALINSKI BARBARA A [US], et al
- [A] US 2003051515 A1 20030320 - WOO KYUNG CHUL [KR], et al
- [A] US 5524358 A 19960611 - MATZ WARREN W [US]
- See references of WO 2013066857A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2013104607 A1 20130502; EP 2773802 A1 20140910; EP 2773802 A4 20150311; KR 20140091563 A 20140721; US 2016244904 A1 20160825; WO 2013066857 A1 20130510

DOCDB simple family (application)

US 201213663776 A 20121030; EP 12846520 A 20121030; KR 20147013882 A 20121030; US 2012062554 W 20121030; US 201615142778 A 20160429