

Title (en)
A SENSING MULTI-MATERIAL DETERGENT DISPENSING SYSTEM

Title (de)
ERFASSENDES SYSTEM ZUR AUSGABE EINES MEHRMATERIALREINIGUNGSMITTELS

Title (fr)
SYSTÈME DE DISTRIBUTION DE DÉTERGENT À PLUSIEURS MATÉRIAUX DE DÉTECTION

Publication
EP 3252198 A1 20171206 (EN)

Application
EP 17172961 A 20170525

Priority
US 201615168815 A 20160531

Abstract (en)
A washing machine (10) has a reservoir (12) configured to hold materials to be washed, the reservoir (12) positioned to receive water from a water source, a drain pipe (14) connected to the reservoir (12), at least two cleaning agent dispensers (20), a controller (18) connected to the cleaning agent dispensers (20), the controller (18) arranged to control water flow into and out of the reservoir (12), and dispensing of agents from the cleaning agent dispenser (20), and at least one sensor (16) arranged to sense contents of one of either the water or materials to be washed and communicate the contents to the controller (18), the controller (18) to dispense cleaning agents based upon the contents. A method of dispensing cleaning agents includes receiving signals from at least one sensor, wherein the signals provide information about soil in a reservoir, using the information to select appropriate cleaning agents from a set of cleaning agents, and dispensing selected cleaning agents into the reservoir.

IPC 8 full level
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CPC (source: EP KR US)
D06F 33/37 (2020.02 - EP KR US); **D06F 34/14** (2020.02 - KR); **D06F 34/18** (2020.02 - EP US); **D06F 34/22** (2020.02 - EP US); **D06F 39/02** (2013.01 - KR); **D06F 34/28** (2020.02 - EP US); **D06F 35/006** (2013.01 - EP US); **D06F 2103/06** (2020.02 - EP US); **D06F 2103/20** (2020.02 - EP US); **D06F 2105/42** (2020.02 - EP KR US)

Citation (search report)
• [XA] US 2001049846 A1 20011213 - GUZZI BRIAN DANIEL [US], et al
• [XI] EP 1318225 A1 20030611 - UNILEVER NV [NL], et al
• [XA] KR 20040008591 A 20040131 - SAMSUNG ELECTRONICS CO LTD
• [XAI] US 2008276964 A1 20081113 - HENDRICKSON MICHAEL STEPHEN [US], et al

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3252198 A1 20171206; JP 2017213363 A 20171207; KR 20170135680 A 20171208; US 2017342634 A1 20171130

DOCDB simple family (application)
EP 17172961 A 20170525; JP 2017094060 A 20170510; KR 20170057890 A 20170510; US 201615168815 A 20160531