

Title (en)

METHOD FOR DETECTING A GROUND CONNECTION FAULT IN A WATER OPERATED APPLIANCE

Title (de)

VERFAHREN ZUR DETEKTION EINES ERDSCHLUSSFEHLERS IN EINER WASSERBETRIEBENEN VORRICHTUNG

Title (fr)

PROCÉDÉ POUR DÉTECTER UN DÉFAUT DE CONNEXION À LA TERRE DANS UN APPAREIL FONCTIONNANT À L'EAU

Publication

EP 3176306 A1 20170607 (EN)

Application

EP 15197551 A 20151202

Priority

EP 15197551 A 20151202

Abstract (en)

Method for detecting faults in electric appliances operated with water preferably a washing machine or a dishwasher in which an electric resistive path (R water) to ground / earth (GND) is temporary created by water flowing in the appliance or by water drained from said appliance, the resistive path (R water) created through water is supplementary to the normal electrical connection to ground / earth (GND) and allows detecting abnormal conditions when said electrical connection to ground / earth (GND) is not present.

IPC 8 full level

D06F 39/08 (2006.01); **A47L 15/42** (2006.01)

CPC (source: EP US)

A47L 15/0049 (2013.01 - EP); **D06F 39/081** (2013.01 - EP US); **A47L 15/4285** (2013.01 - EP); **A47L 15/46** (2013.01 - EP); **A47L 2401/20** (2013.01 - EP); **A47L 2401/34** (2013.01 - EP); **A47L 2501/01** (2013.01 - EP); **A47L 2501/02** (2013.01 - EP)

Citation (applicant)

- EP 0924331 A2 19990623 - WHIRLPOOL CO [US]
- EP 2353485 A1 20110810 - WHIRLPOOL CO [US]

Citation (search report)

- [XA] US 2009126465 A1 20090521 - KEDJERSKI FRED DENNIS [US], et al
- [XA] US 4297686 A 19811027 - TOM M DALE
- [XA] EP 2570545 A1 20130320 - PANASONIC CORP [JP]
- [A] US 3200388 A 19650810 - UHLIG MAX R

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 3176306 A1 20170607

DOCDB simple family (application)

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