

Title (en)  
Laundry machine

Title (de)  
Waschmaschine

Title (fr)  
Machine de blanchisserie

Publication  
**EP 2292827 B1 20120328 (EN)**

Application  
**EP 10173860 A 20100824**

Priority  
JP 2009194616 A 20090825

Abstract (en)  
[origin: EP2292827A1] A laundry machine includes a pipeline (701,702) in which washing water is filled; a feeder (71) configured to feed the washing water in the pipeline; an optical sensor (72) including a light emitter (721) disposed outside the pipeline to emit light to the washing water and a light receiver (722) disposed outside the pipeline to receive the light emitted from the light emitter; and an electrode sensor (73) protruding into the pipeline, wherein the optical sensor (72) is disposed at an upstream side with respect to the electrode sensor (73).

IPC 8 full level  
**A47L 15/42** (2006.01); **D06F 33/32** (2020.01); **D06F 34/22** (2020.01)

CPC (source: EP US)  
**D06F 33/32** (2020.02 - EP US); **D06F 34/22** (2020.02 - EP US); **D06F 2103/00** (2020.02 - EP US); **D06F 2103/18** (2020.02 - EP US); **D06F 2103/20** (2020.02 - EP US); **D06F 2105/00** (2020.02 - EP US)

Cited by  
EP2339059A4; EP3907322A1; US10390675B2; WO2011049806A1

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 SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2292827 A1 20110309; EP 2292827 B1 20120328**; AT E551460 T1 20120415; CN 101994239 A 20110330; CN 101994239 B 20120704; CN 201762581 U 20110316; JP 2011045437 A 20110310; JP 4909391 B2 20120404; TW 2011111583 A 20110401; TW I418681 B 20131211

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**EP 10173860 A 20100824**; AT 10173860 T 20100824; CN 201010263686 A 20100825; CN 201020506226 U 20100825; JP 2009194616 A 20090825; TW 99128241 A 20100824