

Title (en)

SEALING INSTALLATION STRUCTURE OF INNER BARREL BOTTOM AND FLANGE OF WASHING MACHINE

Title (de)

DICHTUNGSMONTAGESTRUKTUR FÜR INNENTROMMELBODEN UND FLANSCH EINER WASCHMASCHINE

Title (fr)

STRUCTURE D'INSTALLATION ÉTANCHE DU FOND DE TAMBOUR INTÉRIEUR ET DE LA BRIDE D'UNE MACHINE À LAVER

Publication

**EP 3305971 A4 20180704 (EN)**

Application

**EP 15893974 A 20151123**

Priority

- CN 201510289540 A 20150529
- CN 2015095301 W 20151123

Abstract (en)

[origin: EP3305971A1] A flange seal installation mechanism at an inner drum bottom of a washing machine comprises an inner drum bottom (1), a flange (2) and a sealing ring (3). A surface, closely contacted with the inner drum bottom, of the flange, is provided with a circular limiting sinking groove (8), and the sealing ring is arranged in the limiting sinking groove in a locating and clamping manner. The sealing ring is of a flat circular structure and at least one ring of circular sealing convex ribs are arranged on the upper surface and/or lower surface of the sealing ring. The structure can ensure that no radial and movement deformation will be generated under the compression of a force, thereby ensuring the sealing effect between the inner drum bottom and the flange in the operating process of the washing machine.

IPC 8 full level

**D06F 37/12** (2006.01); **D06F 23/04** (2006.01); **D06F 37/24** (2006.01)

CPC (source: EP KR US)

**D06F 23/04** (2013.01 - KR); **D06F 37/12** (2013.01 - EP KR US); **D06F 37/264** (2013.01 - KR); **D06F 37/266** (2013.01 - KR); **D06F 23/04** (2013.01 - EP)

Citation (search report)

- [XAI] CN 103898708 A 20140702 - HAIER GROUP CO LTD, et al
- [A] US 2013269396 A1 20131017 - NA GYU SUNG [KR], et al
- See references of WO 2016192330A1

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 3305971 A1 20180411**; **EP 3305971 A4 20180704**; CN 106286834 A 20170104; CN 106286834 B 20191001; KR 20180010266 A 20180130; WO 2016192330 A1 20161208

DOCDB simple family (application)

**EP 15893974 A 20151123**; CN 2015095301 W 20151123; CN 201510289540 A 20150529; KR 20177037217 A 20151123