

Title (en)

Porthole-style door for a front-loading machine for processing laundry, such as a washing machine, drier or washer-drier

Title (de)

Bullaugentür für eine frontbeschickbare Wäschebehandlungsmaschine wie Waschmaschine, Waschtrockner oder Wäschetrockner

Title (fr)

Porte à hublot pour une machine de traitement du linge à remplissage frontal tout comme une machine à laver et/ou à sécher le linge

Publication

**EP 1884585 A2 20080206 (DE)**

Application

**EP 07011530 A 20070613**

Priority

DE 102006036352 A 20060802

Abstract (en)

The porthole door for washing machine or washing dryer or tumble dryer, comprises a resilient inspection glass (9) curved to the machine inside, and a frame with inner ring and a blend ring (7). At the frame a centering means (11) is arranged, which rests against the circulating edge (12) of the inspection glass. A radially effecting strength affects over the circulating edge of several places of the inspection glass and thus the inspection glass positions in a centered position within the frame. The porthole door on the outer side possesses a viewing panel. The porthole door for washing machine or washing dryer or tumble dryer, comprises a resilient inspection glass (9) curved to the machine inside, and a frame with inner ring and a blend ring (7). At the frame a centering means (11) is arranged, which rests against the circulating edge (12) of the inspection glass. A radially effecting strength affects over the circulating edge of several places of the inspection glass and thus the inspection glass positions in a centered position within the frame. The porthole door on the outer side possesses a viewing panel, which covers the curvature of the inspection glass. At the framework a further centering means is arranged, which rests against the circulating edge of the resilient panel and thus the panel positions in a centered position within the frame. The centering means possesses several resilient elements, which are rotated in uniform manner. The centering means comprises resilient elements for the inspection glass and further resilient elements for viewing panel. The centering means is formed as annular section, at which the resilient elements and the further resilient elements are arranged. Multi annular section-shaped centering means are arranged around the circulating edge of the inspection glass and/or around the edge of the viewing panel at the blend ring or inner ring of the frame. The centering means comprises a ring, which is arranged and/or fixed at the blend ring or inner ring of the frame. The centering means with the resilient elements is implemented in single piece manner.

Abstract (de)

Die Erfindung betrifft eine Bullaugentür (5) für eine frontbeschickbare Wäschebehandlungsmaschine (1) wie Waschmaschine, Waschtrockner oder Wäschetrockner, welche ein Schauglas (9), einen Rahmen (6) mit einem Innenring (8) und einem Blendring (7) besitzt. Am Rahmen (6) ist zumindest ein Zentriermittel (11) angeordnet, welches an dem umlaufenden Rand (12) des Schauglases (9) federnd anliegt und dadurch das Schauglas (9) in einer im Wesentlichen zentrierten Lage innerhalb des Rahmens (6) positioniert.

IPC 8 full level

**D06F 39/14** (2006.01); **D06F 37/28** (2006.01)

CPC (source: EP US)

**D06F 39/14** (2013.01 - EP US)

Cited by

CN114908529A; EA017465B1; CN106480661A; EP2000575A1; US7765839B2; WO2009112511A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1884585 A2 20080206**; **EP 1884585 A3 20090715**; **EP 1884585 B1 20111019**; AT E529563 T1 20111115; DE 102006036352 A1 20080207; DE 102006036352 B4 20091112; ES 2371778 T3 20120110; PL 1884585 T3 20120229; US 2008028804 A1 20080207; US 8616030 B2 20131231

DOCDB simple family (application)

**EP 07011530 A 20070613**; AT 07011530 T 20070613; DE 102006036352 A 20060802; ES 07011530 T 20070613; PL 07011530 T 20070613; US 82856007 A 20070726