

Title (en)
Front-loading-type washing machine

Title (de)
Frontlader-Waschmaschine

Title (fr)
Machine à laver à chargement frontal

Publication
EP 2843097 A1 20150304 (EN)

Application
EP 14172244 A 20140613

Priority
• JP 2013175297 A 20130827
• JP 2013175305 A 20130827
• JP 2013186906 A 20130910

Abstract (en)
Multiple vibration isolating dampers have at least a first vibration isolating damper which is disposed in a direction in which a rotary drum is rotated during a spin-drying process and is arranged at a position close to a front surface side from a center of gravity of a water tub unit. In addition, the multiple vibration isolating dampers have at least a second vibration isolating damper which is disposed in the direction in which the rotary drum is rotated during the spin-drying process and is arranged at a position close to a rear surface side from the center of gravity of the water tub unit. In addition, the multiple vibration isolating dampers have at least a third vibration isolating damper which is arranged on an opposite side to the direction in which the rotary drum is rotated during the spin-drying process.

IPC 8 full level
D06F 37/22 (2006.01)

CPC (source: CN EP US)
D06F 37/22 (2013.01 - CN EP US)

Citation (applicant)
JP 2012170678 A 20120910 - PANASONIC CORP

Citation (search report)
• [X] US 2011023554 A1 20110203 - CLARK JONATHAN [US], et al
• [X] EP 1881099 A1 20080123 - SHARP KK [JP]
• [A] US 3509742 A 19700505 - BAUER FRITZ
• [X] JP S60171281 U 19851113
• [X] JP S5066974 A 19750605

Cited by
CN109837700A; WO2018028951A1; EP3497276B1

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 2843097 A1 20150304; EP 2843097 B1 20161228; CN 104420116 A 20150318; CN 104420116 B 20170524; CN 105887417 A 20160824; CN 105887417 B 20180406

DOCDB simple family (application)
EP 14172244 A 20140613; CN 201410422330 A 20140825; CN 201610382401 A 20140825