

Title (en)

Drum type washing machine and shaft system assembling method

Title (de)

Trommelwaschmaschine und Montageverfahren des Drehwellensystems

Title (fr)

Machine à laver à tambour et procédé d'assemblage de l'ensemble arbre rotatif

Publication

EP 1798322 A1 20070620 (EN)

Application

EP 06119320 A 20060822

Priority

KR 20050122761 A 20051213

Abstract (en)

A drum type washing machine, and a method for assembling its shaft system (30) are disclosed. The shaft system (30) comprises a flange shaft (31) coupled to a rear side of the drum (12) to transmit the rotational force of the motor (20) to the drum (12). A buffering material (40) is provided between the drum (12) and the flange shaft (31) to distribute or absorb load or vibration transmitted from the drum (12) to the flange shaft (31). The buffering material (40) comprises a material having a liquid phase initially and changing to a solid phase having elasticity a predetermined period of time after contacting air. The buffering material (40) is applied to a rear side of the drum (12) or to a rear side of the flange shaft (31) when assembling the shaft system (30).

IPC 8 full level

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CPC (source: EP KR US)

D06F 37/04 (2013.01 - EP US); **D06F 37/20** (2013.01 - KR); **D06F 37/22** (2013.01 - EP US); **D06F 37/40** (2013.01 - KR)

Citation (search report)

- [XA] GB 622908 A 19490510 - GEN MOTORS CORP
- [A] FR 2206813 A5 19740607 - SKF IND TRADING & DEV [NL]
- [A] GB 2006836 A 19790510 - FISHER & PAYKEL
- [A] DE 1460209 A1 19690130 - BOEWE BOEHLER & WEBER KG MASCH

Cited by

ITTO20090520A1; US11136704B2; EP3653775A1; WO2011004313A1; WO2018219814A1

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