

Title (en)

WASHING MACHINE INNER DRUM AND WASHING MACHINE

Title (de)

INNENTROMMEL EINER WASCHMASCHINE UND WASCHMASCHINE

Title (fr)

TAMBOUR INTERNE DE LAVE-LINGE ET LAVE-LINGE

Publication

EP 3199687 A4 20180418 (EN)

Application

EP 14902866 A 20141117

Priority

- CN 201410510619 A 20140928
- CN 2014091305 W 20141117

Abstract (en)

[origin: EP3199687A1] A washing machine inner drum and a washing machine. The inner drum comprises a hollow cylinder-shaped inner drum body (1), at least one counterweight body (2) being arranged fixedly on the inner drum body (1); when the inner drum body (1) rotates, the counterweight body (2) rotates therewith, and the centre of mass of the counterweight body (2) is positioned on the axis of the inner drum (1). The washing machine comprises a shell and an outer drum, the present washing machine inner drum being arranged within said outer drum. The washing machine inner drum has good damping effects, and when vibration occurs, functions quickly and reduces the vibration. The outer drum and the outer shell of the washing machine do not require other counterweights, damping effects are good, and the structure is simple and compact, production efficiency is high, costs are low, and the difficulty of maintenance is reduced.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

- [XA] US 4502303 A 19850305 - WASEMANN WILLIAM A [US]
- [XA] DE 9217509 U1 19930304
- [XA] JP S5537097 U 19800310
- [XA] DE 4239504 A1 19940526 - BAUKNECHT HAUSGERAETE [DE]
- [XA] US 2926136 A 19600223 - SMITH THOMAS R, et al
- See references of WO 2016045178A1

Cited by

CN110387676A

Designated contracting state (EPC)

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