

Title (en)  
Drum type washing machine and drum therefor

Title (de)  
Trommelwaschmaschine und dazugehörige Trommel

Title (fr)  
Machine à laver à tambour et tambour correspondant

Publication  
**EP 1605088 A3 20070627 (EN)**

Application  
**EP 05012161 A 20050606**

Priority  
KR 20040042160 A 20040609

Abstract (en)  
[origin: EP1605088A2] Disclosed herein is a drum type washing machine. The drum type washing machine comprises front and rear balancers (80,85) mounted at the front and rear sides of a drum (30), respectively. Consequently, an eccentric force generated by laundry (90,95) is complementarily eliminated by the front and rear balancers (80,85) even when the laundry (90,95) is eccentrically placed at one side of the drum (30).

IPC 8 full level  
**D06F 37/04** (2006.01); **D06F 37/22** (2006.01); **D06F 49/02** (2006.01)

CPC (source: EP KR US)  
**D06F 37/04** (2013.01 - KR); **D06F 37/225** (2013.01 - EP US)

Citation (search report)

- [X] JP H04236988 A 19920825 - MATSUSHITA ELECTRIC IND CO LTD
- [X] JP H04240488 A 19920827 - MATSUSHITA ELECTRIC IND CO LTD
- [XA] DE 4239504 A1 19940526 - BAUKNECHT HAUSGERAETE [DE]
- [X] DE 2746989 A1 19780427 - HITACHI LTD
- [X] EP 0725179 A1 19960807 - ELECTROLUX ZANUSSI ELETTRODOME [IT]
- [X] US 2984094 A 19610516 - FRANK BELAIEFF JAMES
- [X] DE 1912481 U 19650318 - SIEMENS ELEKTROGERAETE GMBH [DE]
- [A] US 6122843 A 20000926 - NOGUCHI TAKEO [JP], et al

Cited by  
EP1882771A1; EP2391760A4; EP2389472A4; EP2391758A4; EP2387634A4; AU2009334023B2; EP2390401A4; EP2391761A4; EP2435616A4; AU2010253597B2; EP2435612A4; US2012000253A1; EP2387631A4; EP2435614A4; EP2435623A4; EP2391762A4; EP2435613A4; EP2333142A3; EP2333143A3; EP2435618A4; EP2435622A4; EP2292828A3; US9404209B2; US9038424B2; US9260812B2; US9103063B2; US8800165B2; US8782871B2; WO2008012076A1; US9587341B2; US9828715B2; US9051679B2; US9003839B2; US9175431B2; WO2010077095A2; US8997533B2; US9187857B2; EP1746192B1; EP1619286B2; EP2267208B2

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR LV MK YU

DOCDB simple family (publication)  
**EP 1605088 A2 20051214; EP 1605088 A3 20070627; EP 1605088 B1 20150415**; CN 100570041 C 20091216; CN 1707010 A 20051214; EP 2573249 A2 20130327; EP 2573249 A3 20150429; EP 2573249 B1 20191002; JP 2005349208 A 20051222; JP 5005891 B2 20120822; KR 100587307 B1 20060608; KR 20050117004 A 20051214; US 2005274159 A1 20051215

DOCDB simple family (application)  
**EP 05012161 A 20050606**; CN 200510077834 A 20050609; EP 12007910 A 20050606; JP 2005169538 A 20050609; KR 20040042160 A 20040609; US 14726805 A 20050608