

Title (en)  
DISH WASHING MACHINE

Title (de)  
GESCHIRRSPÜLMASCHINE

Title (fr)  
LAVE-VAISSELLE

Publication  
**EP 1874173 B1 20091209 (DE)**

Application  
**EP 06743296 A 20060413**

Priority  
• EP 2006061579 W 20060413  
• DE 102005017871 A 20050419

Abstract (en)  
[origin: WO2006111501A1] The invention relates to a closing mechanism (1) for a mobile closing element (2), especially for a door, a cover, a flap or the like on a household appliance, such as a dishwasher machine, a washing machine, a refrigerator or the like, said mechanism comprising a carriage (4) that can be displaced between a locking position and an unlocking position and is loaded by means of a spring (5) in the direction of the locking position. The carriage (4) carries a closing hook (6) that can be engaged with the closing element (2) for the closing action and/or disengaged therefrom for the opening action. A rotary latch (8) can co-operate with the closing element (2) during the closing action. As a result of this co-operation, said rotary latch (8) acts on the carriage (4) in such a way that the carriage (4) is displaced into the locking position during the closing of the closing element (2) by the force of the spring (5).

IPC 8 full level  
**A47L 15/42** (2006.01); **E05C 3/24** (2006.01)

CPC (source: EP KR US)  
**A47L 15/42** (2013.01 - KR); **A47L 15/4259** (2013.01 - EP US); **E05B 63/20** (2013.01 - EP US); **E05C 1/08** (2013.01 - EP US); **E05C 3/24** (2013.01 - EP KR US); **E05B 17/0025** (2013.01 - EP US); **E05B 65/0014** (2013.01 - EP US); **Y10S 292/04** (2013.01 - EP US); **Y10S 292/11** (2013.01 - EP US); **Y10S 292/69** (2013.01 - EP US); **Y10T 70/554** (2015.04 - EP US); **Y10T 292/08** (2015.04 - EP US); **Y10T 292/0867** (2015.04 - EP US); **Y10T 292/0911** (2015.04 - EP US); **Y10T 292/1043** (2015.04 - EP US); **Y10T 292/1047** (2015.04 - EP US); **Y10T 292/558** (2015.04 - EP US)

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006111501 A1 20061026**; AT E451050 T1 20091215; AT E451051 T1 20091215; AT E460549 T1 20100315; AU 2006237306 A1 20061026; AU 2006237306 B2 20110331; AU 2006237307 A1 20061026; AU 2006237307 B2 20110120; AU 2006237309 A1 20061026; AU 2006237309 B2 20101125; BR PI0608358 A2 20091229; BR PI0608384 A2 20100105; BR PI0610849 A2 20100803; CN 101163436 A 20080416; CN 101163436 B 20110413; CN 101163437 A 20080416; CN 101163437 B 20101229; CN 101163844 A 20080416; CN 101163844 B 20100901; DE 102006017961 A1 20061102; DE 502006005585 D1 20100121; DE 502006005586 D1 20100121; DE 502006006394 D1 20100422; EP 1874173 A1 20080109; EP 1874173 B1 20091209; EP 1874174 A1 20080109; EP 1874174 B1 20091209; EP 1875022 A1 20080109; EP 1875022 B1 20100310; ES 2334826 T3 20100316; ES 2334827 T3 20100316; ES 2340874 T3 20100610; JP 2008537041 A 20080911; JP 2008537042 A 20080911; JP 2008538397 A 20081023; JP 4898787 B2 20120321; KR 20080002763 A 20080104; KR 20080002784 A 20080104; KR 20080003326 A 20080107; NZ 560981 A 20110729; NZ 560985 A 20101126; NZ 561011 A 20110331; PL 1875022 T3 20100831; RU 2007134905 A 20090527; RU 2007134907 A 20090527; RU 2007134909 A 20090527; RU 2376435 C2 20091220; RU 2392842 C2 20100627; RU 2401048 C2 20101010; US 2008185849 A1 20080807; US 2009064735 A1 20090312; US 2009072550 A1 20090319; US 7775565 B2 20100817; US 8152207 B2 20120410; US 8377230 B2 20130219; WO 2006111502 A1 20061026; WO 2006111504 A1 20061026

DOCDB simple family (application)  
**EP 2006061579 W 20060413**; AT 06743296 T 20060413; AT 06743297 T 20060413; AT 06743299 T 20060413; AU 2006237306 A 20060413; AU 2006237307 A 20060413; AU 2006237309 A 20060413; BR PI0608358 A 20060413; BR PI0608384 A 20060413; BR PI0610849 A 20060413; CN 200680012992 A 20060413; CN 200680013107 A 20060413; CN 200680013108 A 20060413; DE 102006017961 A 20060413; DE 502006005585 T 20060413; DE 502006005586 T 20060413; DE 502006006394 T 20060413; EP 06743296 A 20060413; EP 06743297 A 20060413; EP 06743299 A 20060413; EP 2006061580 W 20060413; EP 2006061583 W 20060413; ES 06743296 T 20060413; ES 06743297 T 20060413; ES 06743299 T 20060413; JP 2008507060 A 20060413; JP 2008507061 A 20060413; JP 2008507062 A 20060413; KR 20077021172 A 20070914; KR 20077022146 A 20070928; KR 20077022423 A 20071001; NZ 56098106 A 20060413; NZ 56098506 A 20060413; NZ 56101106 A 20060413; PL 06743299 T 20060413; RU 2007134905 A 20060413; RU 2007134907 A 20060413; RU 2007134909 A 20060413; US 87303507 A 20071016; US 91882306 A 20060413; US 91882406 A 20060413