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Inventors:
 • Hamaguchi, Wataru
 Osaka, 540-6207 (JP)
 • Horibe, Yasuyuki
 Osaka, 540-6207 (JP)
- (30)

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Representative: **Schwabe - Sandmair - Marx**
Patentanwälte
Stuntzstraße 16
81677 München (DE)
- (71)

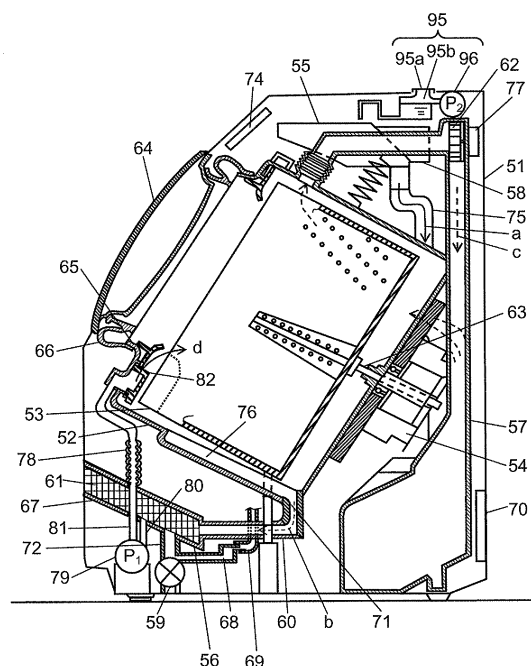
Applicant: **Panasonic Corporation**
Kadoma-shi
Osaka 571-8501 (JP)

(54)

Drum-Type Washing Machine

(57) A drum-type washing machine of the present invention includes a water tank supported in a main cabinet of a washing machine, a rotary drum housed in the water tank (52), a motor (54) rotating the rotary drum (53), a supply valve (85) supplying water to the water tank, an automated detergent dispenser (95) for automatically feeding detergent to the water tank, an operation display unit (74) including an input setting unit (83) and a display (84), a drain outlet provided in an inner bottom part of the water tank, a drain valve (59) connected to the drain outlet, a clothes quantity detector (91) for detecting a quantity of clothes , and a controller for controlling a series of cycles including wash, rinse, and spin-dry cycles. The controller (88) includes a mode for feeding the detergent by the automated detergent dispenser (95) based on a result of the clothes quantity detector, supplying water using the supply valve, driving the motor to execute a prewash cycle, then draining the water inside the water tank by operating the drain valve, feeding the detergent of an amount less than that in the prewash cycle by the automated detergent dispenser, supplying water using the supply valve, and then executing a main wash cycle.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 11 18 5983

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 2003/208852 A1 (HARDAWAY ANTHONY H [US] ET AL) 13 November 2003 (2003-11-13) * paragraphs [0013], [0048] - [0056]; figures *	1-3	INV. D06F39/02 D06F33/02
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			D06F
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 8 September 2014	Examiner Stroppa, Giovanni
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 11 18 5983

5

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82