

Title (en)  
WATER SUPPLY DEVICE

Title (de)  
WASSERVERSORGUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF D'ALIMENTATION EN EAU

Publication  
**EP 2910787 A4 20160720 (EN)**

Application  
**EP 13843458 A 20130930**

Priority  
• JP 2012221876 A 20121004  
• JP 2013076476 W 20130930

Abstract (en)  
[origin: EP2910787A1] The present invention relates to a water supply apparatus that pressurizes water from a water main pipe to supply the water to a building, such as an apartment building, a commercial building, or the like. The water supply apparatus includes a controller (10) storing a first lower limit value L1 higher than a shutoff rotational speed N0 and a second lower limit value L2 lower than the shutoff rotational speed, which is a rotational speed required for achieving a target pressure PA in a shutoff state. The controller (10) is configured to switch a lower limit of the rotational speed of the pump (1) from the first lower limit value L1 to the second lower limit value L2, and determine that the pump (1) is in a low-flow-rate state if the rotational speed of the pump (1) becomes equal to or lower than the shutoff rotational speed N0 within a predetermined detection time.

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Citation (search report)  
• [AD] JP 2002130141 A 20020509 - EBARA CORP, et al  
• [A] JP 4033954 B2 20080116  
• [A] JP 2006153023 A 20060615 - HITACHI IND EQUIPMENT SYS  
• See references of WO 2014054554A1

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Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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ES 2686333 T3 20181017; JP 6186366 B2 20170823; JP WO2014054554 A1 20160825; WO 2014054554 A1 20140410

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