

Title (en)  
PUMP DEVICE

Title (de)  
PUMPVORRICHTUNG

Title (fr)  
DISPOSITIF DE POMPE

Publication  
**EP 2990652 A4 20161228 (EN)**

Application  
**EP 14788422 A 20140422**

Priority  

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Abstract (en)

[origin: EP2990652A1] The present invention relates to a pump apparatus which can be suitably used as a water supply apparatus for supplying water to a building. The pump apparatus includes: a pump (2); a motor (3) configured to drive the pump (2); a driver (20) for driving of the motor (3) at variable speed; and a controller (40) configured to control the driver (20) so as to start the pump when the discharge-side pressure of the pump (2) decreases to a predetermined starting pressure and to keep the discharge-side pressure equal to a target pressure on a target pressure control curve. The controller (40) determines a lowest value PL of the discharge-side pressure after the pump (2) is started, calculates a difference #P1 between the lowest value PL and a predetermined lower limit Pz of the discharge-side pressure, and corrects the target pressure control curve R based on the difference #P1.

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CPC (source: EP)  
**F04D 15/0066** (2013.01); **F04D 15/029** (2013.01)

Citation (search report)

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- [A] JP H10318181 A 19981202 - HITACHI LTD
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- [A] JP 2012101136 A 20120531 - EBARA CORP
- See references of WO 2014175248A1

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DOCDB simple family (publication)

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