

Title (en)
WATER SUPPLY APPARATUS

Title (de)
WASSERVERSORGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'APPROVISIONNEMENT EN EAU

Publication
EP 2667033 B1 20191023 (EN)

Application
EP 12736816 A 20120120

Priority
• JP 2011010432 A 20110121
• JP 2012051196 W 20120120

Abstract (en)
[origin: EP2667033A1] A water supply apparatus is configured to meet energy-saving demands by controlling a pump so that the rotational speed of the pump is lowered while keeping a constant flow rate. The water supply apparatus includes a pump for pressurizing and delivering water, a frequency converter for supplying electric power to the pump to operate the pump at a variable rotational speed, a discharge-side pressure sensor for detecting a pressure at a discharge side of the pump, and a controller (15) for controlling the rotational speed of the pump. The controller (15) stores a plurality of control head curves (B, C 1 , C 2 , C 3) representing different relationships between flow rates (Q) and heads (H), and controls the rotational speed of the pump based on an alternatively selected one of the control head curves (B, C 1 , C 2 , C 3).

IPC 8 full level
F04D 15/00 (2006.01)

CPC (source: EP KR US)
F04D 15/00 (2013.01 - KR); **F04D 15/0066** (2013.01 - EP US); **F04D 15/0088** (2013.01 - EP); **F05D 2270/3013** (2013.01 - EP)

Cited by
CN108825520A

Designated contracting state (EPC)
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DOCDB simple family (publication)
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