

Title (en)

METHOD AND SYSTEM FOR WATER PRESSURE REGULATION OR CONTROL IN A PRESSURE ZONE

Title (de)

VERFAHREN UND SYSTEM ZUR WASSERDRUCKREGELUNG ODER -STEUERUNG IN EINER DRUCKZONE

Title (fr)

PROCÉDÉ ET SYSTÈME DE RÉGLAGE DE PRESSION OU DE COMMANDE DE PRESSION D'EAU DANS UNE ZONE DE PRESSION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2011134455A2] Method for carrying out closed-loop or open-loop control of the water pressure in a pressure zone, in which method the flowing pressure is adaptive at the respective extraction station (2, 2a) after detection of extraction of water or of a fault at the extraction station (2, 2a) by setting the maximum permissible supply pressure setpoint value for this extraction station (2, 2a), wherein this is done at least as a function of the geodetic height (9) of the extraction station (2, 2a) by means of open-loop or closed-loop control of the rotational speed of a pump drive, the pump (4) of which supplies the extraction station (2, 2a) with water, wherein, if it is detected that water is being extracted at at least one further extraction station (2, 2a), the new supply pressure is set to the maximum permissible supply pressure setpoint value for this further extraction station (2, 2a) at which extraction of water is detected, and if a fault is detected at at least one further extraction station (2, 2a) when previously no extraction of water was detected, the new supply pressure is set to the lowest supply pressure setpoint value for all the extraction stations (2, 2a) at which a fault is detected, wherein any new supply pressure is also respectively set at least as a function of the geodetic height (9) of the respective extraction stations (2, 2a) by means of the open-loop or closed-loop control of the rotational speed of the pump drive, the pump (4) of which drive supplies the extraction stations (2, 2a) with water, and a system based thereon together with a correspondingly configured computer system and correspondingly operating computer program, if appropriate on a data carrier or carrier signal.

IPC 8 full level

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CPC (source: EP)

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