

Title (en)
CONTROL APPARATUS OF A PUMP SUPPLIED WITH THREE-PHASE CURRENT AND METHOD FOR CONTROLLING THE POWER SUPPLY OF SAID APPARATUS

Title (de)
STEUERUNGSVORRICHTUNG EINER MIT DREIPHASIGEM STROM GESPEISTEN PUMPE UND VERFAHREN ZUR STEUERUNG DER STROMZUFUHR DER BESAGTEN VORRICHTUNG

Title (fr)
APPAREIL DE COMMANDE D'UNE POMPE ALIMENTÉE EN COURANT TRIPHASÉ ET PROCÉDÉ DE COMMANDE DE L'ALIMENTATION DUDIT APPAREIL

Publication
EP 3456973 A1 20190320 (EN)

Application
EP 18194044 A 20180912

Priority
IT 201700104546 A 20170919

Abstract (en)
Control apparatus of a pump supplied with three-phase current, comprising - a hydraulic section comprising in turn - an inlet for the water coming from a pump with which the apparatus is associated, - an outlet for the water to be connected with a water system, - a first device sensitive to the pressure of the water interposed between said inlet and said outlet for the water adapted to verify a given pressure value of the water in the apparatus, - a second device sensitive to the flow of the water, interposed between said inlet and said outlet for the water, adapted to verify a given flow value of the water in the apparatus, - an electrical section comprising in turn - electronic means for managing the apparatus, operatively connected with said first device and said second device to control operation or switch-off of the pump based on the pressure and/or flow parameters detected, - a three-phase electrical input equipped with first terminals, one for each phase, for wiring adapted to connect said first terminals to the external three-phase power supply network, - a three-phase electrical output equipped with second terminals, one for each phase, for wiring to corresponding terminals of the pump.

IPC 8 full level
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CPC (source: EP)
F04D 15/0088 (2013.01); **F04D 15/0209** (2013.01); **F04D 15/0218** (2013.01); **F04D 15/0245** (2013.01)

Citation (search report)
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Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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EP 3456973 A1 20190320; **EP 3456973 B1 20231115**; DK 3456973 T3 20240219; ES 2971291 T3 20240604

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