

Title (en)

PUMPING STATION FOR A PIPELINE AND METHOD FOR STARTING A COMBUSTION ENGINE IN A PUMPING STATION

Title (de)

PUMPSTATION FÜR EINE PIPELINE UND VERFAHREN ZUM STARTEN EINES VERBRENNUNGSMOTORS IN EINER PUMPSTATION

Title (fr)

STATION DE POMPAGE POUR UN PIPELINE ET PROCÉDÉ PERMETTANT DE DÉMARRER UN MOTEUR À COMBUSTION INTERNE DANS UNE STATION DE POMPAGE

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Abstract (en)

[origin: WO2018036730A1] The invention relates to a pumping station for a pipeline, in particular an oil or gas pipeline, comprising: at least one delivery pump for conveying a fluid through the pipeline; at least one internal combustion engine, which has a drive connection to the at least one delivery pump or can be switched into such a connection in order to drive the at least one delivery pump; a hydrostatic system with at least one first hydraulic motor, which has a drive connection to at least one combustion engine or can be switched into such a connection to accelerate the at least one combustion engine into its start by means of drive power, wherein a hydraulic accumulator, which has a limited volume and can be filled with a pressurized hydraulic medium is provided in the hydraulic system, by means of which medium the first hydraulic motor can be pressurized in order to drive said hydraulic motor. The pumping station for a pipeline according to the invention is characterized in that the pressure differential present across the at least one first hydraulic motor can be variably adjusted in the hydrostatic system in order to accelerate the internal combustion engine to a pre-defined firing speed.

IPC 8 full level

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