

Title (en)
PUMP ASSEMBLY FOR PUMPING VISCOUS MEDIA, DEVICE COMPRISING SAME, METHOD FOR PRODUCING SURFACE COATING AGENTS, AND USE OF A PUMP ASSEMBLY

Title (de)
PUMPENANORDNUNG ZUM FÖRDERN VISKOSER MEDIEN, VORRICHTUNG MIT SELBIGER UND VERFAHREN ZUR HERSTELLUNG VON OBERFLÄCHENBESCHICHTUNGSMITTELN, SOWIE VERWENDUNG EINER PUMPENANORDNUNG

Title (fr)
ENSEMBLE DE POMPAGE PERMETTANT DE REFOULER DES MILIEUX VISQUEUX, DISPOSITIF DOTÉ DE CELUI-CI ET PROCÉDÉ PERMETTANT DE FABRIQUER DES AGENTS DE REVÊTEMENT DE SURFACE, AINSI QU'UTILISATION D'UN ENSEMBLE DE POMPAGE

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Application
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Abstract (en)
[origin: WO2018202790A1] The invention relates to a pump assembly (1) for pumping viscous media, comprising a diaphragm pump (7) comprising a pump chamber (8a, b), a working chamber (10a, b) which can be fluidically connected to a source (115) of a pressurized working medium, and a diaphragm (20a, b) which separates the working chamber (10a, b) from the pump chamber (8a, b). According to the invention, a control valve assembly (21) is mounted between the working medium source (115) and the working chamber (10a, b), and the diaphragm (20a, b) can be moved back and forth between the working chamber (10a, b) and the pump chamber (8a, b) by actuating the control valve assembly (21). The pump assembly (1) has an electronic control element (23) which is connected to the control valve assembly (21) in order to conduct a signal and which is designed to control the compressed air quantity in the working chamber (10a, b) by actuating the control valve assembly (21) depending on the flow rate of the medium exiting the pump chamber (8a, b).

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Citation (search report)
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