

Title (en)
DEVICE FOR MIXING AND CONVEYING HIGH-VISCOSITY MATERIALS

Title (de)
VORRICHTUNG ZUR MISCHUNG UND FÖRDERUNG VON DICKSTOFFEN

Title (fr)
DISPOSITIF DE MÉLANGE ET DE TRANSPORT DE LIQUIDES ÉPAIS

Publication
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Application
EP 18706426 A 20180205

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Abstract (en)
[origin: WO2018149679A1] The invention relates to a device (1000) for mixing and conveying high-viscosity materials, having the following: - a main grid voltage connection (10), - a main electric motor (20) which is electrically connected to the main grid voltage connection (10), - a main hydraulic pump (30), said main hydraulic pump (30) being driven by means of the main electric motor (20) and supplying a mixer hydraulic circuit (40) and a compressed air hydraulic circuit (50), - a hydraulic mixer drive (60) which is supplied from the mixer hydraulic circuit (40), said hydraulic mixer drive (60) being provided for mixing the high-viscosity material, - a hydraulic compressor drive (70) which is supplied from the compressed air hydraulic circuit (50), said hydraulic compressor drive (70) being provided for generating compressed air, - an additional grid voltage connection (80), - an additional hydraulic system (90) which has the following: - an additional electric motor (100) which is electrically connected to the additional grid voltage connection (80) and which can be operated independently of the main electric motor (20), and - an additional hydraulic pump (110), said additional hydraulic pump (110) being driven by means of the additional electric motor (100), and - a controller (120) which is designed to actuate the additional hydraulic system (90) depending on a compressed air requirement such that in addition to the main hydraulic pump (30), the additional hydraulic pump (110) also supplies the compressed air hydraulic circuit (50).

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