Title (en)

HYBRID PUMP FOR DELIVERING A LIQUID PUMP MEDIUM

Title (de)

HYBRIDPUMPE ZUM FÖRDERN EINES FLÜSSIGEN PUMPMEDIUMS

Title (fr)

POMPE HYBRIDE POUR LE TRANSPORT D'UN MILIEU DE POMPAGE LIQUIDE

Publication

EP 2160513 A1 20100310 (DE)

Application

EP 08785137 A 20080728

Priority

- EP 2008006186 W 20080728
- DE 202007012565 U 20070907

Abstract (en)

[origin: US2011236241A1] The invention relates to a hybrid pump for delivering a liquid pump medium, comprising a rotor consisting of substantially non-elastic plastic, which is situated in the pump chamber and can rotate about a rotor axis. Said rotor has a base plate associated with the lower lateral surface of the pump chamber and several rotor parts that are spaced substantially at a uniform distance around the periphery, extend towards the opposite lateral surface of the pump chamber and are permanently connected to the base plate. A preferably curved rotor blade is pivotally hinged on the outer end of each rotor part, forming pump chambers of the rotor between neighboring rotor parts and rotor blades, said chambers being open towards the upper lateral surface of the pump chamber and the bases of said chambers being formed by the base plate of the rotor. The pump is characterized in that the bases of the pump chambers follow a concave arc, rising from the outer edge of the base plate inward towards the rotor axis.

IPC 8 full level

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CPC (source: EP US)

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