

Title (en)
PUMP ROTOR AND PUMP COMPRISING A PUMP ROTOR OF SAID TYPE

Title (de)
PUMPENLAUFRAD UND PUMPE UMFASSEND EIN DERARTIGES PUMPENLAUFRAD

Title (fr)
ROUE À AUBES DE POMPE ET POMPE COMPRENANT UNE TELLE ROUE À AUBES DE POMPE

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Abstract (en)
[origin: WO2009022019A1] The pump rotor (1) comprises a first blade (3), wherein the first blade (3) comprises a first helical-gear blade part (3a) and, adjoining the latter, a first centrifugal-wheel blade part (3b), and said pump rotor (1) comprises a hub (2) with a rotational axis (D), wherein the centrifugal-wheel blade part (3b) is fixedly connected to the hub (2), wherein at least one second blade (4) is provided which comprises a second helical-gear blade part (4a) and, adjoining the latter, a second centrifugal-wheel blade part (4b), wherein the first and the second blades (3,4) have in each case one outer edge (3c,4c), wherein a connecting means (5) connects the first and second blades (3,4) to one another in the region of the outer edge (3c,4c), and wherein the second centrifugal-wheel blade part (4b) is arranged so as to run relative to the hub (2) in such a way that an opening (6) which runs continuously in the rotational direction (D1) is formed between said second centrifugal-wheel blade part (4b) and hub (2), since the second centrifugal-wheel blade part (4b) is not directly connected to the hub (2).

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