

Title (en)
PUMP WITH VANES

Title (de)
PUMPE MIT SCHAUFELN

Title (fr)
POMPE A PALETTES

Publication
EP 3265652 A2 20180110 (FR)

Application
EP 16707923 A 20160216

Priority
• FR 1551727 A 20150302
• FR 2016050350 W 20160216

Abstract (en)
[origin: WO2016139400A2] Pump (100) with vanes (1) comprising a stator (2), a rotor (5) which is eccentric with respect to the stator (2) and rotating around the latter, each vane (1) exhibiting an angular offset with respect to a theoretical position for which this vane (1) would exhibit, together with all the other vanes (1) of the pump (100), a regular angular distribution with respect to a centre, the angular offset of the vanes (1) following a pseudo-random binary sequence, a "1" or "0" bit of this sequence corresponding respectively to an angular offset of a vane (1) in a first direction of rotation or in a second direction of rotation opposite to the first direction of rotation, this binary sequence being calculated via a sequence scrambling method Scrambler, this method being an additive method applying a pseudo-random binary sequence PRBS.

IPC 8 full level
F01C 21/08 (2006.01); **F04C 2/344** (2006.01); **F04C 29/06** (2006.01)

CPC (source: CN EP)
F01C 21/0809 (2013.01 - CN EP); **F01C 21/089** (2013.01 - CN); **F04C 2/344** (2013.01 - CN EP); **F04C 29/06** (2013.01 - CN EP); **F04C 2270/13** (2013.01 - CN EP); **F04C 2270/14** (2013.01 - CN EP); **F04C 2270/15** (2013.01 - CN EP)

Citation (search report)
See references of WO 2016139400A2

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Designated extension state (EPC)
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