

Title (en)  
SATELLITE PUMP

Title (de)  
SATELLITENPUMPE

Title (fr)  
POMPE SATELLITE

Publication  
**EP 4191020 A1 20230607 (EN)**

Application  
**EP 22460060 A 20221116**

Priority  
PL 43970221 A 20211201

Abstract (en)  
Satellite pump whose body is divided into at least two parts constituting bodies, characterized in that, in the rear body (3) there is a suction duct (KS) placed coaxially with the rear body (3), at least two inner ducts (KW) routed throughout the whole length of the rear body (3) and ring duct (KP) routed in the rear body (3) adjacent to the rear compensation plate (6) and coaxially with the shaft (7). The invention also comprises a ring-shaped compensation chamber (KK) which is adjacent to the rear compensation plate, while the suction duct's (KS) has diameter not larger than the inner diameter of the central body (2) both in the case when the front body (1) and the central body (2) constitute one part, and in the case when the front body (1) and the central body (2) constitute two separate parts and moreover. The inner ducts (KW) connect the suction duct (KS) with the ring duct (KP) and the ring duct (KP) is connected with the suction holes routed in the rear compensation plate (6).

IPC 8 full level  
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CPC (source: EP)  
**F04C 2/14** (2013.01); **F04C 15/06** (2013.01); **F04C 2240/30** (2013.01)

Citation (applicant)  
• PL 71329 B1 19740629  
• PL 391422 A1 20111219 - POLITECHNIKA GDAŃSKA [PL]  
• PL 215061 A1 19800114 - EICKHOFF GEB [DE]  
• PL 185724 B1 20030731 - SIENIAWSKI BOHDAN [PL]  
• PL 219147 A1 19810605 - UNIV WARSZAWSKI [PL]

Citation (search report)  
• [A] EP 3187733 A1 20170705 - FAMA SPÓŁKA Z OGRANICZONA ODPOWIEDZIALNOSCIA [PL]  
• [A] US 4674964 A 19870623 - HERTELL SIEGFRIED [DE]  
• [A] CN 202402575 U 20120829 - NINGBO HELM TOWER HYDRAULIC MOTOR CO LTD  
• [AD] US 3852002 A 19741203 - SIENIAWSKI B

Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA

Designated validation state (EPC)  
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**EP 4191020 A1 20230607**; PL 244928 B1 20240402; PL 439702 A1 20230605

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