

Title (en)
PUMP DEVICE

Title (de)
PUMPVORRICHTUNG

Title (fr)
DISPOSITIF DE POMPE

Publication
EP 2832998 A1 20150204 (EN)

Application
EP 13768264 A 20130307

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Abstract (en)
[Object] To provide a pump device capable of achieving a further reduction in power consumption. [Solving Means] A pump device (1) according to an embodiment of the present invention includes a drive motor (M), a first pump unit for evacuation (11) including a first pump chamber and a first piston (21v), and a second pump unit for pressurization (12) including a second pump chamber and a second piston (21c). The second piston (21c) has a phase advanced with a rotational phase difference (ϕ) of more than 0° and less than 80° with respect to the first piston (21v).

IPC 8 full level
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EP 2832998 A1 20150204; **EP 2832998 A4 20160120**; **EP 2832998 B1 20170118**; CN 104204522 A 20141210; CN 104204522 B 20160824;
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