

Title (en)  
FLUID MACHINE AND REFRIGERATION CYCLE DEVICE

Title (de)  
STRÖMUNGSMASCHINE UND KÜHLZYKLUSVORRICHTUNG

Title (fr)  
MACHINE À FLUIDE ET DISPOSITIF DE CYCLE DE RÉFRIGÉRATION

Publication  
**EP 2295721 A1 20110316 (EN)**

Application  
**EP 09750376 A 20090520**

Priority

- JP 2009002231 W 20090520
- JP 2008133842 A 20080522

Abstract (en)  
A fluid machine 110 includes a power recovery mechanism 105 for recovering power from a working fluid, a sub-compressor 102 driven by the recovered power, a shaft 12 coupling the power recovery mechanism 105 and the sub-compressor 102 to each other so that the recovered power is transmitted from the power recovery mechanism 105 to the sub-compressor 102. The power recovery mechanism 105 is provided with a first suction port 26 and a second suction port 27 that open and close, as the first piston 21 rotates, so that the refrigerant flows into the high pressure-side working chamber 23a. The second the suction port 27 is provided at a position facing the first suction port 26 in the axis direction of the shaft 12.

IPC 8 full level  
**F01C 20/10** (2006.01); **F01C 1/356** (2006.01); **F01C 13/04** (2006.01); **F25B 1/04** (2006.01)

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DOCDB simple family (publication)  
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