

Title (en)
COOL AIR SUPPLYING APPARATUS AND REFRIGERATOR HAVING THE SAME

Title (de)
VORRICHTUNG ZUR ZUFUHR VON KALTLUFT UND KÜHLSCHRANK DAMIT

Title (fr)
APPAREIL D'ALIMENTATION EN AIR FROID ET RÉFRIGÉRATEUR LE COMPORTANT

Publication
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Application
EP 19840997 A 20190723

Priority
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Abstract (en)
[origin: JP2020016349A] To provide a stirling refrigerator capable of giving desired phase difference to reciprocating motions of a piston for compression and a piston for inflation while linearly arranging a cylinder for compression and a cylinder for inflation.SOLUTION: A stirling refrigerator includes: a swash plate shaft connected to a motor and extending in a prescribed axial direction; a swash plate for compression diagonally fitted to the swash plate shaft; a piston for compression provided in the way that it moves reciprocatingly in the axial direction by rotation of the swash plate for compression; a cylinder for compression where working fluid is compressed by the piston for compression; a swash plate for inflation diagonally fitted to the swash plate shaft; a piston for inflation moving reciprocatingly in the axial direction by rotation of the swash plate for inflation; and a cylinder for inflation which is arranged side by side with the cylinder for compression in the axial direction and inflates the working fluid compressed by the cylinder for compression. Both the swash plate for compression and the swash plate for inflation are provided for the swash plate shaft with prescribed phase difference.SELECTED DRAWING: Figure 1

IPC 8 full level
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