

Title (en)
COMPRESSOR

Title (de)
VERDICHTER

Title (fr)
COMPRESSEUR

Publication
EP 1276993 A4 20031029 (EN)

Application
EP 01930254 A 20010425

Priority

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Abstract (en)
[origin: WO0181765A1] A compressor including a cylinder assembly having a compression space through which suction passages and discharge passages are connected, a rotation driving unit inserted into the compression space of the cylinder assembly to transfer a rotation force, a slant compression slanted plate installed in the compression space to divide the compression space into at least two parts and rotating by being connected to the rotation driving unit, and vane units attached on both sides of the slant compression plate to classify the partitioned compression space into a suction space and a compression. With this construction, a vibration and a noise can be reduced and a stable driving force can be obtained even with a relatively small capacity electric motor. In addition, since fluid can be compressed and discharged simultaneously in both sides of the slant compression plate, an excellent compression performance can be accomplished in a simple structure.

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IPC 8 full level
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F04C 18/3568 (2013.01 - EP US); **F04C 23/008** (2013.01 - EP US); **F04C 2240/603** (2013.01 - EP US)

Citation (search report)

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- See references of WO 0181765A1

Designated contracting state (EPC)
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WO 0181765 A1 20011101; AU 5679801 A 20011107; BR 0110375 A 20040225; BR 0110375 B1 20100629; CA 2407403 A1 20011101; CN 1430705 A 20030716; EP 1276993 A1 20030122; EP 1276993 A4 20031029; JP 2003532008 A 20031028; US 2003108438 A1 20030612

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