

Title (en)
Compressor

Title (de)
Verdichter

Title (fr)
Compresseur

Publication
EP 1577554 A1 20050921 (EN)

Application
EP 05005188 A 20050309

Priority
JP 2004076917 A 20040317

Abstract (en)
A compressor has a valve port plate made of a steel, through which heat of compressed gas having a relatively higher temperature is transmitted to suction gas having a relatively lower temperature. The valve port plate is carburized to have a carburized layer for reducing heat transmission from the compressed gas to the suction gas.

IPC 1-7
F04B 39/10

IPC 8 full level
F04B 27/08 (2006.01); **F04B 39/00** (2006.01); **F04B 39/10** (2006.01)

CPC (source: EP US)
F04B 39/10 (2013.01 - EP US); **F04B 39/1033** (2013.01 - EP US); **F05C 2203/0808** (2013.01 - EP US); **F05C 2253/04** (2013.01 - EP US); **F05C 2253/16** (2013.01 - EP US)

Citation (search report)

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- [Y] DE 4117644 A1 19911212 - BRASIL COMPRESSORES SA [BR]
- [Y] US 3994319 A 19761130 - AIRHART TOM P
- [Y] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 12 31 October 1998 (1998-10-31)

Designated contracting state (EPC)
DE FR IT

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