

Title (en)

Multistage motor-compressor for the compression of a fluid, for motor vehicles for example

Title (de)

Mehrstufiger Motor-Kompressor für die Kompression von Gasen, z. B. für Kraftfahrzeuge

Title (fr)

Compresseur à moteur multi-étages pour compression de fluides, par exemple pour véhicules automobiles

Publication

**EP 1749992 A1 20070207 (EN)**

Application

**EP 06101557 A 20060210**

Priority

IT TO20050558 A 20050805

Abstract (en)

The motor-compressor (5) comprises a first compression stage (6) having a primary impeller (8) and at least one delivery duct (16), a second compression stage (7) having a secondary impeller (21) spinning in a predetermined direction of rotation, and at least one transfer duct (44) placed so as to put the delivery duct (16) in communication with a fluid conveyor (39) for the second stage (7). The transfer duct (44) is shaped in a way to create a fluid flow entering the conveyor (39) with a substantially helical course and a direction of rotation opposite to the direction of rotation of the secondary impeller (21).

IPC 8 full level

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CPC (source: EP)

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**F05D 2250/51** (2013.01); **F05D 2260/14** (2013.01)

Citation (search report)

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DOCDB simple family (publication)

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