

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 B1 20100210 (EN)

Application

EP 06101557 A 20060210

Priority

IT TO20050558 A 20050805

Abstract (en)

[origin: EP1749992A1] 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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Cited by

DE102017205704A1; EP3112686A4; EP2163746A3; GB2490563A; GB2490563B; US10174670B2; US8388302B2; WO2018197622A1; JP2010065681A; WO2022029386A1; FR3113303A1; EP2821652B1; WO2019001911A1; WO2022214852A1

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