

Title (en)

Multi-stage vacuum pumping system.

Title (de)

Mehrstufiges Vakuum-Pumpsystem.

Title (fr)

Système de pompe à vide multi-étage.

Publication

EP 0541989 B1 19950628 (DE)

Application

EP 92117784 A 19921017

Priority

DE 4136950 A 19911111

Abstract (en)

[origin: EP0541989A1] A multi-stage vacuum pumping system comprising intermediate exhaustion (6) between the individual pumping stages is fitted with one or more additional valves (8) between the intermediate exhaustion connection (6) and the pump stage (1) facing the high-vacuum side in each case. In order to maintain the vapour compatibility of the pump stage (1) facing the high-vacuum side, the pump stage is connected, in parallel to the additional valve (8), to the next pump stage (2) via a bypass line (9).

IPC 1-7

F04B 37/14

IPC 8 full level

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CPC (source: EP)

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Cited by

DE4442174A1; DE19962445A1; EP0723080A1; US5595477A; DE19831123A1; EP0972938A3; EP0752531A1; DE19524609A1; US6004109A; US11933284B2; WO2020109790A1; EP1101943A2; EP0730093A1

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