

Title (en)  
Vacuum pump

Title (de)  
Vakuumpumpe

Title (fr)  
Pompe à vide

Publication  
**EP 0819856 B1 19981202 (EN)**

Application  
**EP 97105458 A 19970402**

Priority  
IT TO960624 A 19960718

Abstract (en)  
[origin: EP0819856A1] The invention concerns a vacuum pump comprising a casing (2) in which gas pumping stages are housed, an suction port for sucking the gases to be pumped, and an exhaust port (4) of the pumped gases, wherein upstream of the gas suction port there is provided a heat exchanger (21) for freeze-trapping undesired gases, and said heat exchanger (21) is directly in contact with the cold end (22) of a closed circuit cryogenic assembly (30) of the Joule-Thomson type, in which a refrigerant gas mixture is circulated. <IMAGE>

IPC 1-7  
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IPC 8 full level  
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