

Title (en)  
Vapor jet vacuum pump and method of manufacture

Title (de)  
Diffusionspumpe und Verfahren zur Herstellung

Title (fr)  
Pompe à diffusion et procédé pour la fabrication

Publication  
**EP 0822339 A3 19980617 (EN)**

Application  
**EP 97305756 A 19970731**

Priority  
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Abstract (en)  
[origin: EP0822339A2] A vapor jet vacuum pump includes a pump housing, a boiler sealed to the pump housing and a jet assembly mounted within the pump housing. The pump housing is a low porosity metal casting and has an inlet and a foreline. The boiler includes a boiler housing defining a reservoir for a liquid, and a heater for vaporizing the liquid to form a vapor. The jet assembly directs a vapor jet toward the housing. In a preferred embodiment, the boiler housing is a low porosity metal casting. A method for making the pump housing includes the steps of casting two or more low porosity housing blanks, machining the housing blanks to provide finished housing elements and attaching the finished housing elements together to form the pump housing. <IMAGE>

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IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)  
• [A] FR 2074749 A1 19711008 - MERLIN GERIN  
• [A] DATABASE WPI Week 9031, Derwent World Patents Index; AN 90-237255, XP002063472

Cited by  
US7037091B2; WO03093679A1

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