

Title (en)
PISTON VACUUM PUMP WITH A GAS INLET AND A GAS OUTLET

Title (de)
KOLBENVAKUUMPUMPE MIT GASEINLASS UND GASAUSSLASS

Title (fr)
POMPE A VIDE A PISTON A ENTREE ET A SORTIE DE GAZ

Publication
EP 1169572 A1 20020109 (DE)

Application
EP 00909301 A 20000303

Priority
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Abstract (en)
[origin: DE19917009A1] The vacuum pump's gas inlet valve(12) is pressure controlled and installed in such a way that it opens during the suction stroke, and preferably during the first phase of it. The gas inlet valve and exhaust valve(7) are end-mounted close to one another in the cross sectional surface of the cylinder bore and are component parts of the cylinder head(4). A gas inlet chamber(14) or pipe is located in the cylinder head, and the gas inlet valve is located in the mouth of the chamber or pipe where it enters the suction chamber.

IPC 1-7
F04B 37/14; **F04B 37/16**; **F04B 39/10**; **F04B 39/00**

IPC 8 full level
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CPC (source: EP)
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