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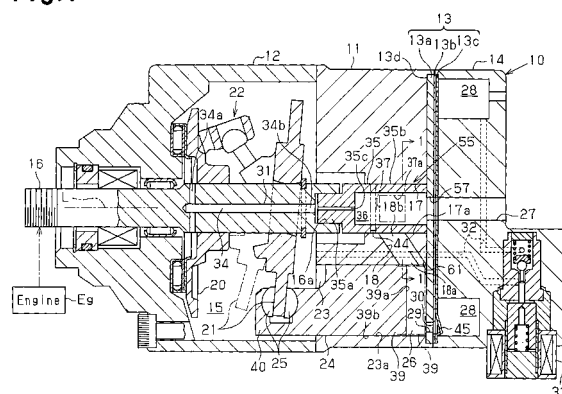
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(54) **Piston compressor**

(57) A piston compressor includes a rotary valve (35) having a suction guide hole. A plurality of introducing passages are formed in a cylinder block to connect compression chambers to the rotary valve (35). The inner circumferential surface of each cylinder bore has a suction auxiliary recess (61), which is connected to the outlet of the corresponding introducing passage in the circumferential direction of the cylinder bore at the end of the cylinder bore facing a valve assembly. Therefore, the compressor reduces suction resistance of gas at the beginning of the suction stroke without enlarging introducing passages formed in the cylinder block.

Fig.1





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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 11 November 2005	Examiner Pinna, S
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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