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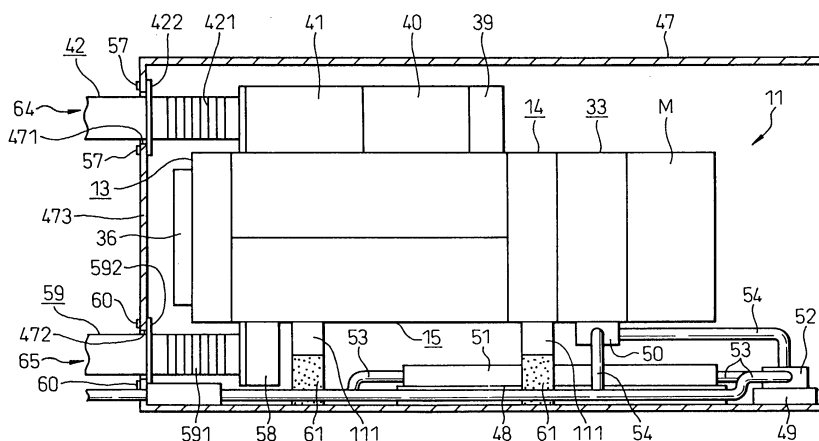
(54) Vacuum pump

(57) A main body of a multi-stage Roots pump 11 is incorporated in a cover 47. A connecting flange 39, a muffler 40, a guide pipe 41 and a discharge pipe 42 constitute a discharge piping mechanism 64. The discharge pipe 42 incorporates a bellows 421. A connecting flange 58 and a suction pipe 59 constitute a suction piping mechanism 65. The suction pipe 59 incorporates a bel-

lows 591. The bellows 421, 591 are incorporated in the cover 47.

Thus, loads generated when the bellows constituting part of the gas flow path of a vacuum pump are elastically deformed, by virtue of changes in internal pressures, are prevented from extending to auxiliary equipment.

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 THE HAGUE		Date of completion of the search 3 December 2002	Examiner Dimitroulas, P
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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