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(71) Applicant: **EDWARDS LIMITED** [GB/GB]; Innovation Drive, Burgess Hill Sussex RH15 9TW (GB).

(72) Inventors: **HOLBROOK, Alan Ernest Kinnaird**; Edwards Limited, Innovation Drive, Burgess Hill Sussex RH15 9TW (GB). **BEDWELL, David**; Edwards Limited, Innovation Drive, Burgess Hill Sussex RH15 9TW (GB).

(74) Agent: **ARNOLD, Emily**; Edwards Limited, Innovation Drive, Burgess Hill Sussex RH15 9TW (GB).

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(54) Title: MULTIPLE STAGE VACUUM PUMP

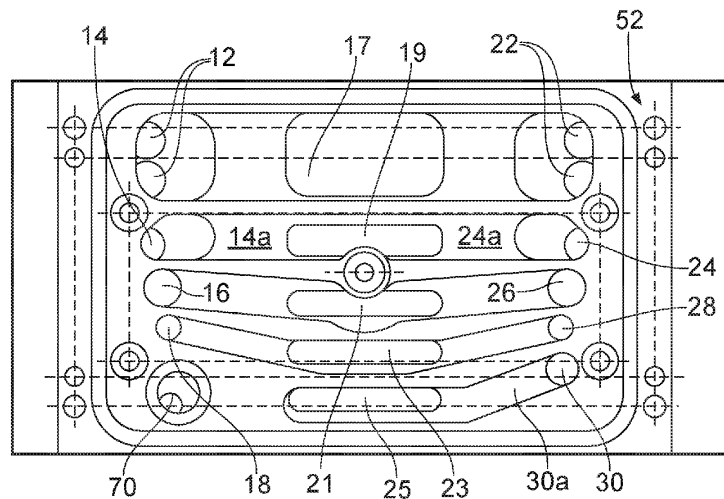


FIG. 3

(57) Abstract: A multi-stage vacuum pump comprising a stator defining multiple pumping chambers is discussed. The stator comprises a plurality of transfer channels for providing a fluid passage from an outlet port of one of the plurality of pumping chambers to an inlet port of a subsequent pumping chamber. Some of the transfer channels comprise two side channel sections on opposing sides of the stator. One of the transfer channels comprises a single side channel section on one side of the stator. The vacuum pump further comprises a gas ballast inlet channel arranged on an other side of the stator to the one side of the stator.



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