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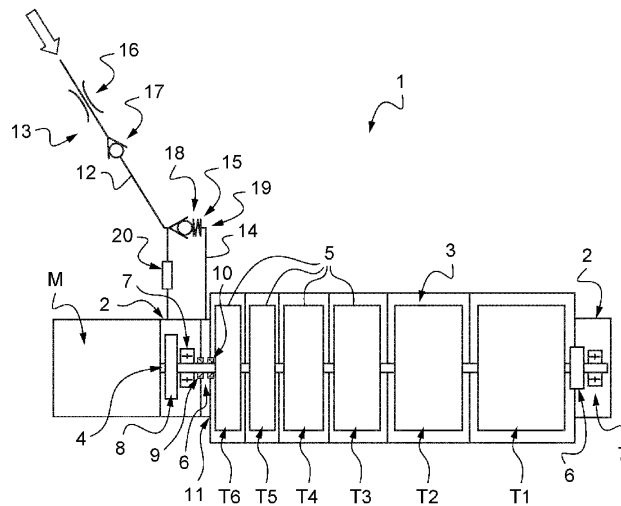
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(54) Title: VACUUM PUMP

Fig.1



(57) Abstract: Dry vacuum pump (1) having: - a discharge duct (14) fluidically connecting the lubricant housing (2) to the inter-seals volume (11), and - a pressure-gradient control device (15) comprising a non-return valve (18) arranged on the discharge duct (13) so as to allow the purge gas to pass from the lubricant housing (2) towards the inter-seals volume (11) when the variation in pressure between the upstream and downstream sides of the non-return valve (18) is above a predetermined opening threshold so that the pressure in the lubricant housing (2) is greater than the pressure in the inter-seals volume (11).

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