

Title (en)
PUMPING UNIT AND USE

Title (de)
PUMPEINHEIT UND VERWENDUNG

Title (fr)
GROUPE DE POMPAGE ET UTILISATION

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Abstract (en)
[origin: WO2018184853A1] The invention relates to a pumping unit (1) comprising: a rough-vacuum pump (2) of the multi-stage dry pump type comprising at least four pumping stages (T1, T2, T3, T4, T5) mounted in series, characterized in that the pumping unit (1) comprises: a vacuum pump (3) of the two-stage Roots type comprising a first and a second pumping stage (B1, B2) mounted in series, the second pumping stage (B2) of the two-stage Roots type vacuum pump (3) being mounted in series with and upstream of a first pumping stage (T1) of the rough-vacuum pump (2) in the direction of flow of the gases that are to be pumped, the ratio of the flowrate generated by the first pumping stage (B1) of the two-stage Roots type vacuum pump (3) to the flowrate generated by the second pumping stage (B2) of the two-stage Roots type vacuum pump (3) being less than six, and the ratio of the flowrate generated by the second pumping stage at (B2) of the two-stage Roots type vacuum pump (3) to the flowrate generated by the first pumping stage (T1) of the rough-vacuum pump (2) being less than six. The present invention also relates to a use of the said pumping unit (1).

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