

Title (en)

METHOD FOR OPERATING A COMPRESSOR, AND ARRANGEMENT WITH A COMPRESSOR

Title (de)

VERFAHREN ZUM BETRIEB EINES VERDICHTERS UND ANORDNUNG MIT EINEM VERDICHTER

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UN COMPRESSEUR ET SYSTÈME ÉQUIPÉ D'UN COMPRESSEUR

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Application

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Abstract (en)

[origin: WO2014191312A1] The invention relates to a method for operating a compressor (CO) and to a corresponding arrangement. The aim of the invention is to solve problems of the prior art. This is achieved by a method having the following steps: supplying a suction flow (MF) to an inlet (IN) of the compressor (CO), compressing the suction flow (MF) into an outlet flow (VF) by means of the compressor (CO), introducing at least one first sub-flow of the outlet flow (MF) into a bypass station (BS) as a first bypass flow (BF1), and controlling the supply of the first bypass flow (BF1) from the bypass station (BS) to the inlet (IN) of the compressor (CO) dependent on operating parameters of the compressor (CO). The method is characterized by the following steps: cooling at least one second sub-flow of the suction flow (MF) and controlling the supply of the cooled second sub-flow as a second bypass flow (BF2) to the inlet (IN) of the compressor (CO) dependent on operating parameters of the compressor (CO).

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