Title (en)
METHOD AND COMPRESSOR MODULE FOR COMPRESSING A GAS STREAM

Title (de)
VERFAHREN UND KOMPRESSORMODUL ZUM VERDICHTEN EINES GASSTROMES

Title (fr)
PROCEDE ET MODULE COMPRESSEUR POUR COMPRIMER UN FLUX GAZEUX

Publication
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Application
EP 00944043 A 20000719

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Abstract (en)
[origin: US6652241B1] The invention relates to a method and compressor module for compressing a gas stream of entry temperature t1 with the aid of hydraulically driven piston compressors in two compression stages of an entry pressure p1 from an intermediate pressure p2 after the first compression stage and from intermediate pressure p2 to an exit pressure p3 after the second compression stage, whereby the gas stream compressed to the intermediate pressure p2 is cooled back down to the entry temperature t1 before entering the second compression stage, and identical pressure ratios p3/p2=p2/p1 are used in the compression stage. According to the invention, the pressure ratios are adjusted by correspondingly adapting a hydraulic fluid stream for driving the first compression stage and a hydraulic fluid stream for driving the second compression stage with regard to the flow rate thereof with the aid of two adjustable hydraulic fluid pumps.

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