

Title (en)

Method and apparatus for the regulation of turbo compressors.

Title (de)

Verfahren und Einrichtung zum Regeln von Turbokompressoren.

Title (fr)

Procédé et dispositif de réglage de turbocompresseurs.

Publication

EP 0223208 A2 19870527 (DE)

Application

EP 86115792 A 19861113

Priority

DE 3540285 A 19851113

Abstract (en)

[origin: US4789298A] The method and apparatus for controlling the operation of a turbocompressor which has a suction and a discharge with a blow-off valve for regulating the performance thereof includes a sensor in the suction and discharge for sensing an operating condition such as pressure and temperature which is connected to deliver to a comparator a performance signal for the control of the blow-off valve. The control signal which is delivered to the comparator is modified in accordance with a memory which includes a blow-off curve gradient which effects the amplification of the signal which is sent to a controller in accordance with the blow-off conditions which are to be set in motion on the basis of the performance characteristics which have been sensed.

Abstract (de)

Bei der Pumpengrenzregelung von Turbokompressoren wird der Verstärkungsfaktor der das Regelsignal für ein Abblaseventil (21) liefernden Reglers (19) entsprechend der zum jeweiligen Arbeitspunkt gehörenden Steigung der Abblaselinie variiert.

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