

Title (en)

Compressor surge control method and apparatus.

Title (de)

Verfahren und Apparat zur Kontrolle des Pumpens eines Kompressors.

Title (fr)

Procédé et dispositif pour le contrôle de l'emballement de compresseurs.

Publication

EP 0024823 A1 19810311 (EN)

Application

EP 80302600 A 19800730

Priority

GB 7929294 A 19790822

Abstract (en)

Controlling surging in a compressor by monitoring the high frequency (40 - 500 Hz) fluctuations in a parameter such as the delivery pressure. As surging conditions are approached the amplitude of these fluctuations, generally at a frequency characteristic of the system, progressively increase. When the amplitude reaches a predetermined value, for example about twice the amplitude of the fluctuations at the design maximum compressor throughput, a bypass or vent valve is opened to increase the throughput through the compressor.

IPC 1-7

F04D 27/02

IPC 8 full level

F04D 27/02 (2006.01)

CPC (source: EP)

F04D 27/0207 (2013.01)

Citation (search report)

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