

Title (en)

Gas turbine compressor with reduced pumping and associated method

Title (de)

Gasturbinenverdichter mit reduziertem Pumpen sowie zugehöriges Verfahren

Title (fr)

Compresseur de turbine à gaz avec pompage réduit et méthode associée

Publication

EP 2696077 B1 20150729 (DE)

Application

EP 12179977 A 20120810

Priority

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Abstract (en)

[origin: EP2696077A1] The gas turbine compressor has a main portion that is provided with two compressor stages (11,12). A return passage is provided for returning the working fluid from a downstream to an upstream stage. A controller is arranged for opening and closing the return passage for the reduction of compressor pumping in the gas turbine compressor main portion. The controller is provided with a fluid-mechanically actuated processing element such as a control valve (200). An independent claim is included for a method for reduction of compressor pumping in gas turbine compressor.

IPC 8 full level

F04D 19/02 (2006.01); **F04D 27/02** (2006.01)

CPC (source: EP)

F04D 19/02 (2013.01); **F04D 27/0215** (2013.01)

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DOCDB simple family (publication)

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