

Title (en)

Method for operation of turbocompressors with surge limitation regulation

Title (de)

Verfahren zum Betreiben von Turbokompressoren mit Pumpgrenzregelung

Title (fr)

Procédé de commande de turbocompresseurs avec réglage de limite de pompage

Publication

EP 1450046 A3 20051026 (DE)

Application

EP 04000580 A 20040114

Priority

DE 10304063 A 20030131

Abstract (en)

[origin: EP1450046A2] The method involves determining set point and actual value for surge limit control based on delivery head and volume flow plotted in form of predetermined surge limit. A compressor is operated based on determined set point and actual value for surge limit control within minimal distance from surge limit.

IPC 1-7

F04D 27/02

IPC 8 full level

F04D 27/02 (2006.01)

CPC (source: EP US)

F04D 27/02 (2013.01 - EP US)

Citation (search report)

- [A] US 2002062679 A1 20020530 - PETROSOV PETR [US]
- [A] US 5195875 A 19930323 - GASTON JOHN R [US]
- [A] US 5908462 A 19990601 - BATSON BRETT W [US]

Cited by

DE102009003978A1; WO2009092409A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1450046 A2 20040825; EP 1450046 A3 20051026; EP 1450046 B1 20080227; AT E387584 T1 20080315; DE 10304063 A1 20040812; DE 502004006288 D1 20080410; US 2004151576 A1 20040805; US 7025558 B2 20060411

DOCDB simple family (application)

EP 04000580 A 20040114; AT 04000580 T 20040114; DE 10304063 A 20030131; DE 502004006288 T 20040114; US 76310304 A 20040122