

Title (en)

TRANSIENT TURBINE EXHAUST TEMPERATURE CONTROL FOR A TURBOGENERATOR

Title (de)

ÜBERGANGS-TURBINENABGASTEMPERATUR-STEUERUNG FÜR EINEN TURBOGENERATOR

Title (fr)

RÉGULATION DE TEMPÉRATURE TRANSITOIRE EN SORTIE DE TURBINE POUR TURBOGÉNÉRATEUR

Publication

EP 1341990 A1 20030910 (EN)

Application

EP 01997623 A 20011105

Priority

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- US 24582900 P 20001103

Abstract (en)

[origin: WO0242611A1] A turbogenerator is controlled by a temperature loop that provides fuel to the combustor to maintain a desired turbine exhaust temperature, and by a speed control loop that controls the speed of the turbogenerator to provide a desired power output. When the desired power output is reduced, the turbogenerator speed is reduced accordingly, and the desired turbine exhaust temperature is increased temporarily to maintain sufficient fuel flow to the combustor to prevent combustor flame-out.

IPC 1-7

F01D 15/10; F02C 9/32; F02C 9/26; F02C 7/08

IPC 8 full level

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