Title (en)
Generator-gas turbine-turbo compressor line and method for operating the same

Title (de)
Generator-Dampfturbine-Turboverdichter-Strang und Verfahren zum Betreiben desselben

Title (fr)
Tronçon de générateur-turbine à gaz-turbocompresseur et procédé destiné au fonctionnement de celui-ci

Publication
EP 2045441 B1 20100602 (DE)

Application
EP 07019475 A 20071004

Priority
EP 07019475 A 20071004

Abstract (en)
[origin: EP2045441A1] The line (1) has a turbo-compressor (4) driven by a generator (2) with a variable frequency, and a steam turbine (3), where the generator and steam turbine are coupled together to a shafting (5), and the turbine is driven with a steam control valve. The generator is electrically coupled to an electrical power supply system (6) for feeding power supply, and the steam turbine is connected to a live steam feeding device (7) for feeding live steam to the steam turbine such that the line has a rotational speed, which is controllable by varying the power supply feeding or live steam feeding. An independent claim is also included for a method for operating a generator-steam turbine-turbo-compressor-line.

IPC 8 full level
F01D 1/00 (2006.01); **F01D 15/08** (2006.01); **F01D 15/10** (2006.01); **F01D 19/00** (2006.01)

CPC (source: EP US)
F01D 1/00 (2013.01 - EP US); **F01D 15/08** (2013.01 - EP US); **F01D 15/10** (2013.01 - EP US); **F01D 19/00** (2013.01 - EP US); F05D 2220/72 (2013.01 - EP US); F05D 2260/4023 (2013.01 - EP US); F05D 2260/85 (2013.01 - EP US); F05D 2270/02 (2013.01 - EP US); F05D 2270/061 (2013.01 - EP US)

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

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