

Title (en)

Process for operating a power plant

Title (de)

Verfahren zum Betrieb einer Kraftwerksanlage

Title (fr)

Procédé de fonctionnement d'une centrale d'énergie

Publication

EP 0767290 B1 20020529 (DE)

Application

EP 96810597 A 19960909

Priority

DE 19536839 A 19951002

Abstract (en)

[origin: EP0767290A1] A power plant comprises a gas turbine group followed by a waste heat steam generator and then a steam circuit. The gas turbine group has at least one compressor, burner, turbine and generator. In one of the heat-exchanger stages of the waste heat steam generator (15) that operates in the lower temperature regime, a water quantity of more than 100% circulates. The excess above 100% branches off at the end of this stage and is evaporated in at least one pressure stage (26). The steam (37) is passed to a turbine (17). The still hot water (36) from the pressure stage goes to a feed water reservoir and deaerator (22), whence further steam arising is passed to another turbine (18).

IPC 1-7

F01K 23/10

IPC 8 full level

F01K 7/18 (2006.01); **F01K 23/10** (2006.01); **F01K 23/16** (2006.01); **F22B 1/18** (2006.01)

CPC (source: EP US)

F01K 23/106 (2013.01 - EP US)

Cited by

KR101536988B1; CN102374514A; EP0789134A3; US7089743B2; WO2013105071A1

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 0767290 A1 19970409; EP 0767290 B1 20020529; DE 19536839 A1 19970430; DE 59609255 D1 20020704; JP 3974208 B2 20070912; JP H09125910 A 19970513; US 5839269 A 19981124

DOCDB simple family (application)

EP 96810597 A 19960909; DE 19536839 A 19951002; DE 59609255 T 19960909; JP 26208496 A 19961002; US 97887997 A 19971126