

Title (en)

ENERGY GENERATING PROCESS IN A COMBINED GAS/STEAM GENERATING POWER STATION

Title (de)

VERFAHREN ZUR ERZEUGUNG VON ENERGIE IN EINER KOMBINIERTEN GAS-DAMPFKRAFTANLAGE

Title (fr)

PROCEDE DE GENERATION D'ENERGIE DANS UNE CENTRALE THERMIQUE COMBINEE A GAZ ET A VAPEUR

Publication

EP 0586425 B1 19980805 (DE)

Application

EP 92910154 A 19920521

Priority

- DE 9200414 W 19920521
- DE 4117191 A 19910525

Abstract (en)

[origin: WO9221860A1] A process is disclosed for generating energy in a combined gas/steam generating power station having a gas turbine (4) and a preferably coal-fired steam generator (21). The gas turbine (4) is connected downstream of a waste heat steam generating installation (7) supplied with water from the steam circuit of the gas/steam generating power plant. The temperature of the stream of steam from the waste heat steam generating installation is matched to the temperature of the stream of steam from the steam generator by supply of additional heat. Both streams of steam are then mixed and supplied to the same steam turbine (9). The quantities of heat required on the one hand for the production and temperature correction of the stream of steam from the waste heat steam generating installation (7) and on the other hand to generate the stream of steam in the steam generator (21) are supplied by independent heat generating and transmitting systems arranged on the side of the furnace.

IPC 1-7

F01K 23/10

IPC 8 full level

F01K 23/10 (2006.01)

CPC (source: EP)

F01K 23/10 (2013.01)

Cited by

DE102012012683A1

Designated contracting state (EPC)

DE DK ES FR GB IT

DOCDB simple family (publication)

WO 9221860 A1 19921210; AU 1694692 A 19930108; DE 4117191 A1 19921203; DE 4117191 C2 19941124; DE 59209451 D1 19980910; DK 0586425 T3 19990503; EP 0586425 A1 19940316; EP 0586425 B1 19980805; ES 2121013 T3 19981116

DOCDB simple family (application)

DE 9200414 W 19920521; AU 1694692 A 19920521; DE 4117191 A 19910525; DE 59209451 T 19920521; DK 92910154 T 19920521; EP 92910154 A 19920521; ES 92910154 T 19920521