

Title (en)

Device and method for generating hot gas with integrated heating of a heat distribution medium

Title (de)

Vorrichtung und Verfahren zur Heißgaserzeugung mit integrierter Erhitzung eines Wärmeträgermediums

Title (fr)

Dispositif et procédé de production de gaz chaud à l'aide d'un chauffage intégré d'un fluide caloporteur

Publication

EP 2412943 A3 20160713 (DE)

Application

EP 11172633 A 20110705

Priority

DE 102010032266 A 20100726

Abstract (en)

[origin: EP2412943A2] The generator has a combustion chamber (11) and a vaporizer (13) arranged in a traction unit (1). A heat exchanger (15a), a super-heater (21), an air pre-heater and/or an economizer (22) are arranged in another traction unit (2). A stoker-fired furnace (12) is arranged in the combustion chamber. A separation device (3) e.g. cyclone, is arranged between the traction units. The separation device is used for depositing a particulate matter e.g. aerosol, to the traction units. The latter traction unit is connected with the combustion chamber over a recirculation gas line (23). An independent claim is also included for a steam plant comprising a hot gas spacer.

IPC 8 full level

F01K 17/06 (2006.01); **F22B 1/18** (2006.01)

CPC (source: EP)

F01K 17/06 (2013.01); **F22B 1/1876** (2013.01)

Citation (search report)

- [XY] US 7229833 B1 20070612 - ANDERSSON CHRISTER [SE]
- [X] US 2003185718 A1 20031002 - SELLAKUMAR KUMAR M [US]
- [Y] DE 202007005195 U1 20070705 - FRITZ EGGER GMBH & CO [AT]

Cited by

EP3098397A1; EP3098398A1; US10392575B2; US9944874B2; US9835056B2; US9944875B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2412943 A2 20120201; **EP 2412943 A3 20160713**; **EP 2412943 B1 20180418**; DE 102010032266 A1 20120126; ES 2670821 T3 20180601; HU E037505 T2 20180828; PL 2412943 T3 20180831; TR 201807212 T4 20180621

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