

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 B1 20180418 (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 (examination)

US 2008251952 A1 20081016 - HAVLENA VLADIMIR [CZ]

Cited by

EP3098397A1; EP3098398A1; US9944875B2; US10392575B2; US9835056B2; US9944874B2

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DOCDB simple family (publication)

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