Title (en)

Method and steam generator for recovering heat from hot process gases

Title (de)

Verfahren und Abhitzedampferzeuger zum Erzeugen von Dampf mittels heisser Prozessgase

Title (fr)

Procédé et générateur de vapeur pour récupérer la chaleur d'un gaz chaud de processus

Publication

EP 1059486 B1 20060726 (DE)

Application

EP 00110875 A 20000523

Priority

DE 19926402 A 19990610

Abstract (en)

[origin: DE19926402C1] Generating steam with hot process gases comprises using the gases to produce saturated steam. The gases are divided into several streams, each of which is passed through one tube (13a,14a,15a) of a double-walled heat exchanger (12) in a container filled with water. A different fluid is passed in counter-current through the other tube (13b,14b,15b). Generating steam with hot process gases, especially those produced by non-catalytic cracking of hydrocarbons by partial oxidation under increased pressure and at high temperature, comprises using the gases to produce saturated steam. The gases are divided into several streams, each of which is passed through one tube (13a,14a,15a) of a double-walled heat exchanger (12) in a container filled with water. A different fluid is passed in counter-current through the other tube (13b,14b,15b). An Independent claim is included for a steam generator for carrying out the above process.

IPC 8 full level

F22B 1/18 (2006.01)

CPC (source: EP)

F22B 1/1838 (2013.01); **F22B 1/1884** (2013.01)

Cited by

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