

Title (en)

Apparatus for cooling dust-containing hot gases and process for use thereof.

Title (de)

Anlage zum Kühlen von heissem, staubbeladenem Gas und Verfahren zum Betrieb der Anlage.

Title (fr)

Appareil pour refroidir des gaz chauds contenant des poussières et procédé d'exploitation de l'appareil.

Publication

EP 0518813 B1 19941228 (DE)

Application

EP 92810373 A 19920519

Priority

CH 175391 A 19910612

Abstract (en)

[origin: EP0518813A1] The apparatus has a steam generator which consists of a first heat exchanger (50) and two second heat exchangers (53, 54). The first heat exchanger (50) is a radiant-heat exchanger in which the hot gas coming from a reactor (52) releases its heat down to a temperature below the softening point of the dust. The second heat exchangers (53, 54) are convective heat exchangers which are arranged in the gas stream downstream of the first heat exchanger (50) and parallel to one another. An isolation device (61 or 62) is provided in the gas stream downstream of each second heat exchanger (53, 54). <IMAGE>

IPC 1-7

C10K 1/04; **C10J 3/86**; **F22B 1/18**; **F28G 13/00**; **F28G 9/00**

IPC 8 full level

C10J 3/46 (2006.01); **C10J 3/86** (2006.01); **C10K 1/04** (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP US)

C10J 3/86 (2013.01 - EP US); **C10K 1/04** (2013.01 - EP US); **C10J 2300/1687** (2013.01 - EP US); **C10J 2300/1892** (2013.01 - EP US)

Cited by

US6051195A; EP0845522A3

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CH DE DK GR IT LI NL SE

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EP 0518813 A1 19921216; **EP 0518813 B1 19941228**; CN 1067725 A 19930106; DE 59201064 D1 19950209; JP H05209176 A 19930820; US 5251575 A 19931012; ZA 923387 B 19930127

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EP 92810373 A 19920519; CN 92104604 A 19920611; DE 59201064 T 19920519; JP 15188892 A 19920611; US 87756992 A 19920501; ZA 923387 A 19920511