

Title (en)

GAS COOLING DEVICE FOR A COAL GASIFICATION PLANT

Publication

**EP 0077851 B1 19860326 (DE)**

Application

**EP 81109673 A 19811113**

Priority

CH 681281 A 19811026

Abstract (en)

[origin: US4493291A] The gas cooler arrangement includes a first pressure vessel in which heat is yielded by radiation and a following convection gas cooler. The pressure vessel of the convection gas cooler includes a faller flue and at least one riser flue for cooling the gas. The flues comprise heat-removing tubes which are parts of a steam generator. The bottom of the pressure vessel contains an ash collection chamber which is connected to the ends of the flues and which can be emptied via a suitable closure element.

IPC 1-7

**C10J 3/86**; **F22B 1/18**

IPC 8 full level

**C10J 3/46** (2006.01); **C10J 3/86** (2006.01); **F22B 1/18** (2006.01)

CPC (source: EP US)

**C10J 3/526** (2013.01 - EP US); **C10J 3/78** (2013.01 - EP US); **C10J 3/84** (2013.01 - EP US); **C10J 3/86** (2013.01 - EP US); **F22B 1/1846** (2013.01 - EP US); **C10J 2300/1807** (2013.01 - EP US)

Cited by

EP0085131A1; EP0366606A1; CH676603A5

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

**EP 0077851 A2 19830504**; **EP 0077851 A3 19840201**; **EP 0077851 B1 19860326**; CH 656637 A5 19860715; DE 3174207 D1 19860430; JP S5880384 A 19830514; US 4493291 A 19850115; ZA 826078 B 19830629

DOCDB simple family (application)

**EP 81109673 A 19811113**; CH 681281 A 19811026; DE 3174207 T 19811113; JP 18622982 A 19821025; US 42131382 A 19820922; ZA 826078 A 19820820