

Title (en)
SYNTHESIS GAS COOLER

Publication
EP 0251005 B1 19910327 (DE)

Application
EP 87108572 A 19870613

Priority
CH 266186 A 19860702

Abstract (en)
[origin: US4768470A] The gas cooler has a pair of coaxial flues for the cooling of a synthesis gas wherein the flues are resiliently mounted independently of each other. The gas flow connection at the top of the pressure vessel is sized to permit the inner flue to be lifted out of the vessel for cleaning and repair purposes. In addition, the outer flue can be constructed of interconnected wall elements which may also be disconnected for discrete removal through the top of the vessel for cleaning and repair purposes.

IPC 1-7
F22B 1/18

IPC 8 full level
F28F 9/013 (2006.01); **C10J 3/86** (2006.01); **F22B 1/18** (2006.01); **F28D 7/16** (2006.01); **F28F 9/00** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP US)
C10J 3/86 (2013.01 - EP US); **F22B 1/1846** (2013.01 - EP US); **C10J 2300/1603** (2013.01 - EP US)

Cited by
EP0435424A1; EP0763589A1; US5873329A; WO9710315A3

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EP 0251005 A1 19880107; EP 0251005 B1 19910327; AU 590865 B2 19891116; AU 7499687 A 19880107; CH 670501 A5 19890615; CN 1012590 B 19910508; CN 87104200 A 19880113; DE 3768865 D1 19910502; JP S6325490 A 19880202; US 4768470 A 19880906; ZA 874763 B 19880106

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