

Title (en)

Heat exchange for cooling synthesis gas produced in a coal gasification plant.

Title (de)

Wärmetauscher zum Kühlen von in einer Kohlevergasungsanlage erzeugtem Synthesegas.

Title (fr)

Echangeur de chaleur pour le refroidissement du gaz de synthèse produit dans une installation de gazéification du charbon.

Publication

EP 0567674 B1 19940223

Application

EP 92107283 A 19920429

Priority

EP 92107283 A 19920429

Abstract (en)

[origin: EP0567674A1] A heat exchanger for cooling synthesis gas produced in a cool gasification plant consists of heat exchanger tubes (1) through which the synthesis gas to be cooled flows, and which are held in two tube plates (2, 3) and surrounded by a jacket (4). The tube plate (2) on the gas inlet side is covered by a layer of individual cuboid snouts (12) which are arranged next to one another and abut one another at the outside edges. Each snout (12) has a conical opening (15) which narrows into a tube section (14) which projects into a heat exchanger tube (1). <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Cited by

DE10028568C1; DE102005032118A1; EP0706014A1; DE10015343A1; DE10015343C2; EP1139056A3; EP1139056A2; US7357126B2; EP1674815A1; DE19534823A1; DE19534823C2; WO2007073436A1; WO2024114973A1; EP2122013B1

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