

Title (en)

PROCESS AND APPARATUS FOR PURIFYING A RAW GAS ORIGINATING FROM THE GASIFICATION OF SOLIDS

Publication

**EP 0358923 B1 19930811 (DE)**

Application

**EP 89114339 A 19890803**

Priority

DE 3827702 A 19880816

Abstract (en)

[origin: EP0358923A1] In a process and apparatus for purifying raw gas from solids gasification, containing granular and dusty solids particles, a solution is to be found, by means of which solids particles of any size are largely removed from the raw gas before entry to downstream cooling devices. This is achieved when the raw gas is passed in a first purification stage from the gasification zone in a straight line in the direction of a gas-holding space, whereby the granular solids particles are precipitated at the bottom of the gas-holding space and then, in a second purification stage, the partially purified raw gas is laterally deflected from the gas-holding space and undergoes a change to a velocity reduced by a factor of at least 3 and, after a further gas deflection, is passed substantially in the vertical direction through a solids filter, where the dusty solids particles are removed from the raw gas. <IMAGE>

IPC 1-7

**C10J 3/84**

IPC 8 full level

**B01D 50/00** (2006.01); **B01D 46/30** (2006.01); **B01D 51/00** (2006.01); **B01D 51/10** (2006.01); **C10J 3/48** (2006.01); **C10J 3/84** (2006.01)

CPC (source: EP)

**C10J 3/84** (2013.01); **C10K 1/02** (2013.01); **C10K 1/024** (2013.01)

Cited by

WO2020260157A1; EP0632122A3; WO2016102270A1; WO2015067769A1; US11648518B2; EP3037164A1; WO2016102342A1; US10159950B2; US10328407B2; WO2019011724A1; US10471406B2; US10821411B2; WO2021219565A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0358923 A1 19900321**; **EP 0358923 B1 19930811**; AT E92949 T1 19930815; AU 4003089 A 19900222; AU 620129 B2 19920213; DE 3827702 A1 19900222; DE 3827702 C2 19930701; DE 58905238 D1 19930916; ES 2045296 T3 19940116; JP H0291192 A 19900330; ZA 896204 B 19900530

DOCDB simple family (application)

**EP 89114339 A 19890803**; AT 89114339 T 19890803; AU 4003089 A 19890816; DE 3827702 A 19880816; DE 58905238 T 19890803; ES 89114339 T 19890803; JP 20972989 A 19890815; ZA 896204 A 19890815