

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>

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C10J 3/84

IPC 8 full level

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CPC (source: EP)

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Cited by

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

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