

Title (en)

Process for purifying gas obtained by gasification of carbonaceous material.

Title (de)

Verfahren zur Reinigung eines durch Vergasung von kohlenstoffhaltigem Material gewonnenen Gases.

Title (fr)

Procédé pour purifier un gaz provenant de la gazéification des matériaux carbonés.

Publication

EP 0560039 B1 19951102 (DE)

Application

EP 93101536 A 19930202

Priority

DE 4206943 A 19920305

Abstract (en)

[origin: EP0560039A1] In a process for purifying gas obtained by gasification of carbonaceous material, the gas coming from the gasification plant is first subjected to a purification which comprises the following process stages: a) dedusting and removal of NH₃ and HCN by scrubbing with circulating water at elevated pressure and elevated temperature, b) catalytic COS hydrolysis and c) H₂S scrubbing. After the purification, the gas is to be used as fuel gas for the gas turbine of a power station. The hydrogen sulphide separated off from the gas during the purification is processed either to elemental sulphur or to sulphuric acid, whereas the nitrogen compounds which have been separated off are catalytically decomposed.

IPC 1-7

C10K 1/34; **C10K 1/08**; **C10K 1/02**

IPC 8 full level

C10K 1/02 (2006.01); **C10K 1/08** (2006.01); **C10K 1/34** (2006.01)

CPC (source: EP)

C10K 1/02 (2013.01); **C10K 1/08** (2013.01); **C10K 1/34** (2013.01)

Cited by

NL1002135C2; NL1002134C2; CN102378808A; US11530131B1; US8551199B2; WO9726070A1; WO9501217A1; WO9726069A1; WO2010114679A1

Designated contracting state (EPC)

DE DK ES GB NL

DOCDB simple family (publication)

EP 0560039 A1 19930915; **EP 0560039 B1 19951102**; DE 4206943 A1 19930909; DE 59300836 D1 19951207; DK 0560039 T3 19960304; ES 2080538 T3 19960201

DOCDB simple family (application)

EP 93101536 A 19930202; DE 4206943 A 19920305; DE 59300836 T 19930202; DK 93101536 T 19930202; ES 93101536 T 19930202