

Title (en)
TREATMENT OF FUEL GAS

Title (de)
BEHANDLUNG VON BRENNSTOFFGAS

Title (fr)
TRAITEMENT DE GAZ COMBUSTIBLE

Publication
EP 1899042 A1 20080319 (EN)

Application
EP 06726440 A 20060317

Priority
• GB 2006000999 W 20060317
• GB 0507017 A 20050406

Abstract (en)
[origin: WO2006106289A1] Fuel gas, for example coke oven gas, is treated to remove hydrogen sulfide and ammonia impurities in absorption columns (12) and (18). The absorbent is regenerated in a stripping column (32). A gas stream comprising hydrogen sulfide and ammonia passes from the stripping column to the same combustion stage or furnace (48) of a Claus plant (44). The combustion is conducted under conditions that eliminate essentially all the ammonia. The combustion is supported by a gas stream containing at least 40% by volume of oxygen. Residual amounts of sulfur dioxide and sulfur in the tail gas from the Claus plant (44) are reduced catalytically in a reactor (73) and the resulting gas recycled to the absorption column (12).

IPC 8 full level
B01D 53/52 (2006.01); **B01D 53/58** (2006.01); **C01B 17/04** (2006.01)

CPC (source: EP KR)
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Citation (search report)
See references of WO 2006106289A1

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