

Title (en)
DESULPHURISATION METHOD AND APPARATUS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR ENTSCHWEFELUNG

Title (fr)
METHODE ET PROCEDE DE DESULFURATION

Publication
EP 0956143 A2 19991117 (EN)

Application
EP 97901725 A 19970130

Priority
• GB 9700267 W 19970130
• GB 9602037 A 19960201

Abstract (en)
[origin: WO9727930A2] A coal gas stream containing H₂S and COS is desulphurised by passing it radially into a vessel (300), wherein the coal gas stream is entrained into a high momentum turbulent jet of gaseous zinc (308) passing downwardly through the vessel (300). The resultant desulphurised gas stream and solid zinc sulphide are separated in a hot gas cyclone (320). Any excess gaseous zinc is solidified by passing through a waste heat boiler (322) and is separated from the desulphurised gas stream by hot gas filtration.

IPC 1-7
B01D 53/48; C10K 1/00

IPC 8 full level
B01D 53/48 (2006.01)

CPC (source: EP)
B01D 53/48 (2013.01); **B01D 2257/304** (2013.01); **B01D 2257/308** (2013.01)

Citation (search report)
See references of WO 9727930A2

Designated contracting state (EPC)
DE FR GB IE SE

DOCDB simple family (publication)
WO 9727930 A2 19970807; **WO 9727930 A3 19970918**; AU 1553297 A 19970822; EP 0956143 A2 19991117; GB 9602037 D0 19960403

DOCDB simple family (application)
GB 9700267 W 19970130; AU 1553297 A 19970130; EP 97901725 A 19970130; GB 9602037 A 19960201