

Title (en)

METHOD AND APPARATUS FOR LIQUID REGULATION IN WET CLEANING OF A GAS

Title (de)

METHODE UND VORRICHTUNG ZUR REGELUNG DER FLÜSSIGKEIT BEIM NASSREINIGEN EINES GASES

Title (fr)

PROCEDE ET APPAREILLAGE DE REGULATION DE LIQUIDE POUR L'EPURATION D'UN GAZ PAR VOIE HUMIDE

Publication

EP 0794825 A1 19970917 (EN)

Application

EP 95939456 A 19951124

Priority

- SE 9501404 W 19951124
- SE 9404101 A 19941128

Abstract (en)

[origin: WO9616721A1] A method and an apparatus for regulating the amount of liquid in the wet cleaning of a gas in at least two stages are disclosed. In the method, liquid from at least one of the stages after the first stage is brought into contact with air, such that the liquid is partly evaporated and cooled, the evaporation being carried out in such a manner that the amount of liquid in the stage remains the same, whereupon the remaining liquid is heated before being recycled to the wet cleaning. The apparatus comprises a scrubber (6) having at least two stages and a liquid-circulation circuit (53) in at least one of the stages after the first stage, the liquid-circulation circuit (53) including an evaporator (20) adapted to evaporate liquid to such an extent that the amount of liquid in the stage remains the same and to cool liquid from the circuit by contacting it with air, as well as a heater (44) adapted to heat the cooled liquid in the circuit.

IPC 1-7

B01D 53/50; **B01D 53/68**; **B01D 53/78**

IPC 8 full level

B01D 53/14 (2006.01); **B01D 53/50** (2006.01); **B01D 53/68** (2006.01); **B01D 53/77** (2006.01); **B01D 53/78** (2006.01)

CPC (source: EP)

B01D 53/501 (2013.01); **B01D 53/68** (2013.01); **B01D 53/78** (2013.01)

Citation (search report)

See references of WO 9616721A1

Designated contracting state (EPC)

AT DE DK NL

DOCDB simple family (publication)

WO 9616721 A1 19960606; AU 4126596 A 19960619; EP 0794825 A1 19970917; JP 3009474 B2 20000214; JP H10500065 A 19980106; SE 504408 C2 19970203; SE 9404101 D0 19941128; SE 9404101 L 19960529

DOCDB simple family (application)

SE 9501404 W 19951124; AU 4126596 A 19951124; EP 95939456 A 19951124; JP 51717196 A 19951124; SE 9404101 A 19941128