

Title (en)

PROCESS FOR THE RECOVERY OF SULFUR FROM SO<sub>2</sub>? CONTAINING GASES

Title (de)

VERFAHREN ZUR RÜCKGEWINNUNG VON SCHWEFEL AUS SO<sub>2</sub> ENTHALTENDEN GASEN

Title (fr)

PROCEDE DE RECUPERATION DE SOUFRE A PARTIR DE GAZ CONTENANT SO<sub>2</sub>?

Publication

**EP 0910545 A1 19990428 (EN)**

Application

**EP 97929589 A 19970707**

Priority

- EP 97929589 A 19970707
- EP 96201891 A 19960708
- NL 9700392 W 19970707

Abstract (en)

[origin: WO9801387A1] The invention relates to a process for recovering sulfur from an SO<sub>2</sub> containing gas stream through catalytic conversion thereof to elemental sulfur, comprising converting SO<sub>2</sub> and H<sub>2</sub>S in the presence of liquid sulfur and a catalyst system based on a heterogeneous catalyst which catalyzes the Claus reaction, while as promoter for the Claus reaction a basic nitrogen compound is present in the liquid sulfur.

IPC 1-7

**C01B 17/00**; **C01B 17/04**

IPC 8 full level

**B01D 53/86** (2006.01); **C01B 17/00** (2006.01); **C01B 17/04** (2006.01)

CPC (source: EP)

**B01D 53/8615** (2013.01); **C01B 17/0439** (2013.01); **C01B 17/0456** (2013.01)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IT LI NL PT SE

Designated extension state (EPC)

AL LT LV RO SI

DOCDB simple family (publication)

**WO 9801387 A1 19980115**; AR 007727 A1 19991110; AU 3361297 A 19980202; BR 9710240 A 20000111; CA 2259946 A1 19980115; CN 1230158 A 19990929; CZ 4899 A3 19990714; EA 199900090 A1 19990826; EP 0910545 A1 19990428; HU P9904020 A2 20000328; HU P9904020 A3 20000628; ID 18897 A 19980520; JP 2000514389 A 20001031; PL 331044 A1 19990621; SK 2199 A3 20000313; TW 382617 B 20000221; ZA 975859 B 19980203

DOCDB simple family (application)

**NL 9700392 W 19970707**; AR P970103010 A 19970704; AU 3361297 A 19970707; BR 9710240 A 19970707; CA 2259946 A 19970707; CN 97197730 A 19970707; CZ 4899 A 19970707; EA 199900090 A 19970707; EP 97929589 A 19970707; HU P9904020 A 19970707; ID 972355 A 19970708; JP 50509098 A 19970707; PL 33104497 A 19970707; SK 2199 A 19970707; TW 86109609 A 19970827; ZA 975859 A 19970701