



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| (21) International Application Number: <input checked="" type="checkbox"/> PCT/NL97/00392<br>(22) International Filing Date: <input checked="" type="checkbox"/> 7 July 1997 (07.07.97)<br>(30) Priority Data:<br><input checked="" type="checkbox"/> 96201891.7 <input checked="" type="checkbox"/> 8 July 1996 (08.07.96) <input checked="" type="checkbox"/> EP<br>(34) Countries for which the regional or international application was filed: NL et al.<br>(71) Applicant (for all designated States except US): STORK ENGINEERS & CONTRACTORS B.V. [NL/NL]; Radarweg 60, NL-1043 NT Amsterdam (NL). <input checked="" type="checkbox"/><br>(72) Inventors; and<br>(73) Inventors/Applicants (for US only): LAGAS, Jan, Adolf [NL/NL]; Markgouw 4, NL-1141 JD Monnickendam (NL). BORSBOOM, Johannes [NL/NL]; Frans Halskade 104, NL-2232 VC Rijswijk (NL). <input checked="" type="checkbox"/><br>(74) Agent: SMULDERS, Th., A., H., J.; Vereenigde Octrooibureaux, Nieuwe Parklaan 97, NL-2587 BN The Hague (NL). |    | (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, <del>MO</del> MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, <del>SG</del> SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).<br><br>Published<br>With international search report.<br>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.<br><br>9900182-8<br>18053<br>1083 |
| (54) Title: PROCESS FOR THE RECOVERY OF SULFUR FROM SO <sub>2</sub> CONTAINING GASES <input checked="" type="checkbox"/><br>(57) Abstract<br><p>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.</p>                                                                                                                                                                                                                                                                                                                                                                                                             |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |