

Title (en)

IMPROVEMENT TO CLAUS UNIT AND PROCESS

Title (de)

VERBESSERUNG AN CLAUS-ANLAGE UND VERFAHREN

Title (fr)

AMÉLIORATION APPORTÉE À UNE UNITÉ ET UN PROCÉDÉ CLAUS

Publication

**EP 4211072 A1 20230719 (EN)**

Application

**EP 21778540 A 20210914**

Priority

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- GB 2021052381 W 20210914

Abstract (en)

[origin: WO2022053837A1] The invention relates to a process comprising (i) passing some or all feed gases through (a) a Claus unit or sulphur recovery unit comprising a reaction furnace, a waste heat boiler and two or more Claus catalytic reactors, and (b) a tail gas treating unit (TGTU) comprising a hydrogenation reactor, water removal, TGTU absorber and TGTU regenerator; (ii) collecting acid gas from the tail gas treatment unit (TGTU) and (iii) adding said acid gas from the tail gas treatment unit downstream of a first Claus catalytic reactor and upstream of a second Claus catalytic reactor in the Claus unit or sulphur recovery unit.

IPC 8 full level

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