Title (en)
PROCESS FOR REMOVING SULPHUR-CONTAINING CONTAMINANTS FROM A GAS STREAM

Title (de)
VERFAHREN ZUM ENTFERNEN VON SCHWEFELHALTIGEN VERUNREINIGUNGEN AUS EINEM GASSTROM

Title (fr)
PROCÉDÉ DE SÉPARATION DES CONTAMINANTS SOUFRÉS CONTENUS DANS UN FLUX GAZEUX

Publication
**EP 2658632 A1 20131106 (EN)**

Application
**EP 11802961 A 20111228**

Priority
- EP 10197457 A 20101231
- EP 2011074179 W 20111228
- EP 11802961 A 20111228

Abstract (en)
[origin: WO2012089776A1] A process for removing sulphur-containing contaminants including hydrogen sulphide, from a gas stream, comprising the steps of subjecting the gas stream to an oxidation treatment, extracting heat from the resulting gas stream, reacting catalytically H2 S from said cooled gas stream with sulphur dioxide at elevated temperature to obtain a gas stream which comprises sulphur and water, separating sulphur thereby obtaining a H2 S-lean gas stream, subjecting it to an oxidation treatment, extracting heat from the S02-enriched gas stream obtained therein; subjecting a sulphur-containing residual hydrocarbon product to an oxidation treatment to obtain a gas stream which contains S02, extracting heat from said gas stream which comprises S02, subjecting both streams containing S02 to a quench process, absorbing S02 from the resulting gas stream to obtain a S02-enriched absorption solvent which is regenerated and using the S02-enriched gas stream produced therein as S02 source for Claus Process.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
See references of WO 2012089776A1

Cited by
CN108472574A

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