

Title (en)

CO-CURRENT GAS ABSORTION METHOD AND SYSTEM WITH AN ENHANCED ABSORBENT

Title (de)

GLEICHSTROM-GAS-ABSORPTIONSVERFAHREN UND -SYSTEM MIT VERBESSERTEM ABSORPTIONSMITTEL

Title (fr)

PROCÉDÉ ET SYSTÈME D'ABSORPTION DE GAZ À CO-COURANT AVEC UN ABSORBANT AMÉLIORÉ

Publication

EP 3883670 A1 20210929 (EN)

Application

EP 19804906 A 20191022

Priority

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- US 2019057396 W 20191022

Abstract (en)

[origin: WO2020106396A1] A gas processing system is described herein. The gas processing system includes a number of co-current contacting systems configured to contact a sour feed gas stream including an acid gas with a solvent stream to produce a partially-sweetened gas stream and a rich solvent stream including an absorbed acid gas. At least one of the co-current contacting systems is configured to send the rich solvent stream to a regenerator. The regenerator is configured to remove the absorbed acid gas from the rich solvent stream to produce a lean solvent stream. The gas processing system also includes a solvent treater configured to treat at least a portion of the lean solvent stream to produce an enhanced solvent stream, and a final co-current contacting system configured to contact the partially-sweetened gas stream with the enhanced solvent stream to produce a partially-loaded solvent stream and a final gas stream.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2020106396A1

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