

Title (en)

REMOVAL OF ACIDIC GASES BY MEANS OF AN ABSORBENT COMPRISING A STRIPPING AID

Title (de)

ENTFERNUNG SAURER GASE MITTELS EINES EIN STRIPPHILFSMITTEL ENTHALTENDEN ABSORPTIONSMITTELS

Title (fr)

ÉLIMINATION DE GAZ ACIDES AU MOYEN D'UN ABSORBANT CONTENANT UN AUXILIAIRE DE STRIPAGE

Publication

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Application

EP 10723157 A 20100621

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Abstract (en)

[origin: US2010319540A1] A process for removing acid gases from a fluid stream in which a) the fluid stream is treated with an absorption liquid which comprises at least one amine, a stripping aid, and water, wherein the stripping aid is selected from water-miscible liquids, the boiling temperature of which at atmospheric pressure is lower than that of water, b) the treated fluid stream is treated with a liquid aqueous phase in order to convert entrained stripping aid at least in part to the aqueous phase, c) the loaded aqueous phase is heated in order to expel the stripping aid at least in part, and d) the regenerated aqueous phase is cooled and at least in part recycled to step b). The stripping aid promotes the regeneration of the absorbent by stripping. Emissions of the stripping aid via the treated fluid stream are avoided by the treated fluid stream being scrubbed with a liquid aqueous phase.

IPC 8 full level

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