

Title (en)
SEPARATION OF HYDROGEN SULFIDE FROM FLUID STREAMS.

Title (de)
ABTRENNEN VON WASSERSTOFFSULFID AUS BEWEGENDEN FLÜSSIGKEITEN.

Title (fr)
SEPARATION DU SULFURE D'HYDROGENE DE COURANTS FLUIDES.

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Application
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Abstract (en)
[origin: WO8103346A1] A liquid solution containing a tri-halide from the halogen group consisting of bromine and iodine is passed in countercurrent flow with fluids containing sulfur compounds, including hydrogen sulfide, with a tower (13). The tri-halide solution removes selected sulfur compounds, including hydrogen sulfide from the fluids and the halide solution is drained from the bottom (16) of a tower (13) for sulfur removal, electrolytic regeneration, and hydrogen release in order that a tri-halide from the electrolytic cell (10) may be returned to the tower for continual removal of sulfur compounds, including hydrogen sulfide. A portion of the spent halide solution from the bottom of the tower is conducted (3) to a point in the tower above the introduction of the tri-halide solution to prevent the loss of the diatomic halogen.

Abstract (fr)
Une solution liquide contenant un tri-halogenure du groupe des halogenes compose du brome et de l'iode circule a contre-courant dans des fluides contenant des composes de soufre, comprenant du sulfure d'hydrogene a l'interieur d'une tour (13). La solution de tri-halogenure extrait des composes de soufre selectionnees, comprenant l'halogenure d'hydrogene des fluides et la solution d'halogenure est drainee depuis le fond (16) de la tour (13) pour l'extraction du soufre, la regeneration electrolytique et la liberation d'hydrogene de sorte qu'un tri-halogenure provenant de la cellule electrolytique (10) peut etre renvoye a la tour pour l'extraction continue de composes de soufre, comprenant le sulfure d'hydrogene. Une partie de la solution d'halogenure utilisee est amenee (3) du fond de la tour a un point dans la tour au-dessus du point d'introduction de la solution de tri-halogenure de maniere a empecher la perte de l'halogene diatomique.

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