Title (en)

AMINE COMPOUNDS FOR SELECTIVELY REMOVING HYDROGEN SULPHIDE

Title (de)

AMINVERBINDUNGEN ZUR SELEKTIVEN ENTFERNUNG VON SCHWEFELWASSERSTOFF

Title (fr)

COMPOSÉS AMINE POUR L'ÉLIMINATION SÉLECTIVE DE SULFURE D'HYDROGÈNE

Publication

EP 3356012 A1 20180808 (DE)

Application

EP 16766906 A 20160912

Priority

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Abstract (en)

[origin: WO2017055067A1] The invention relates to a compound of general formula (I) where R1 through R8, x, y, and z are defined as in the description. The invention also relates to an absorbent comprising a solution of the compound, and the use thereof, and a method for removing acid gases from a fluid flow, wherein the fluid flow is brought into contact with the absorbent. The compounds of general formula (I) are characterized by thermal stability and low volatility. Absorbents based on the compounds are characterized by high absorption capacity, high cyclic capacity, and good regenerability. The solutions of the compounds in non-aqueous solvents are characterized by low viscosities.

IPC 8 full level

B01D 53/14 (2006.01); **C07C 217/08** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

See references of WO 2017055067A1

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