

Title (en)
NOVEL POLYAMINES, SYNTHESIS METHOD THEREOF AND USE THEREOF FOR THE SELECTIVE ELEMINATION OF H₂S FROM A GASEOUS EFFLUENT COMPRISING CO₂

Title (de)
NEUARTIGE POLYAMINE, SYNTHESEVERFAHREN DAFÜR UND VERWENDUNG DAVON ZUR SELEKTIVEN ELIMINIERUNG VON H₂S AUS EINEM GASFÖRMIGEN ABSTROM MIT CO₂

Title (fr)
NOUVELLES POLYAMINES, LEUR PROCEDE DE SYNTHESE ET LEUT UTILISATION POUR L'ELIMINATION SELECTIVE DE L'H₂S D'UN EFFLUENT GAZEUX COMPRENANT DU CO₂

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Abstract (en)
[origin: WO2018224350A1] The invention relates to novel polyamines of formula (I), derived from the reaction between piperazine and an epihalohydrin or a 1,3-dihalo-2-propanol, n being between 2 and 100, being indifferently an H or an alkyl radical comprising between 1 and 8 carbon atoms or a hydroxyalkyl radical corresponding to the following general formula (II): R₂ being indifferently an H or an alkyl radical comprising between 1 and 6 carbon atoms, two R₂ being able to be linked together by a covalent bond in order to form a ring if these are alkyl radicals. The invention also relates to the preparation method thereof, and the use thereof in an absorbent solution based on amines for selectively eliminating H₂S from a gaseous effluent containing H₂S and CO₂.

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