Title (en)

METHOD FOR THE PURIFICATION OF A GAS CONTAINING CO2, USING AN ADSORPTION PURIFICATION UNIT

Title (de)

VERFAHREN ZUR REINIGUNG EINES CO2-HALTIGEN GASES MITHILFE EINER ADSORPTIONSREINIGUNGSEINHEIT

Title (fr)

PROCEDE DE PURIFICATION D'UN GAZ CONTENANT DU CO2 PAR INTEGRATION D'UNITE DE PURIFICATION PAR ADSORPTION

Publication

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Application

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Abstract (en)

[origin: WO2009010691A2] The invention relates to a method for the purification of a feed gas stream containing CO2 and at least one impurity selected from water, SOx and NOx, comprising the following successive steps: a) a pre-treatment step; b) a compression step; and c) a step in which the CO2-enriched purified gas stream is recovered in liquid, gaseous or supercritical form. The invention is characterised in that a purification step is performed between steps (a) and (c), using at least a first bed of NOx- and/or SOx-neutral adsorbents having adsorption properties enabling at least the partial elimination of the water.

IPC 8 full level

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Citation (third parties)

Third party :

US 2007031302 A1 20070208 - WITTRUP CARSTEN [US], et al

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