Title (en)

METHOD FOR THE PURIFICATION OF A GAS CONTAINING CO2

Title (de)

VERFAHREN ZUR REINIGUNG EINES CO2-HALTIGEN GASES

Title (fr)

PROCEDE DE PURIFICATION D'UN GAZ CONTENANT DU CO2

Publication

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Application

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Priority

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- FR 0756491 A 20070713

Abstract (en)

[origin: WO2009010690A2] The invention relates to a method for the purification of a feed gas stream containing CO2 and at least one impurity, comprising the following successive steps: a) a pre-treatment step; b) a compression step; c) a step comprising the elimination of at least one impurity contained in the compressed gas stream, selected from nitrogen, oxygen, argon and noble gases, using exchangers combined with separators in a cold cycle, i.e. temperature 2-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) in order to eliminate at least paritally at least one impuritiy selected from nitrogen oxides and water.

IPC 8 full level

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