

Title (en)

METHOD AND SYSTEM FOR SEPARATING CO<sub>2</sub> FROM SYNTHESIS GAS OR FLUE GAS

Title (de)

VERFAHREN UND SYSTEM ZUR ABTRENNUNG VON CO<sub>2</sub> AUS SYNTHESSEGAS ODER RAUCHGAS

Title (fr)

PROCEDE ET SYSTEME DE SEPARATION DE CO<sub>2</sub> D'UN GAZ DE SYNTHESE OU D'UN GAZ DE CARNEAU

Publication

**EP 2429683 A1 20120321 (EN)**

Application

**EP 10718227 A 20100512**

Priority

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- EP 10718227 A 20100512

Abstract (en)

[origin: WO2010130781A1] The present invention provides a method and system for separating CO<sub>2</sub> from a gas stream containing CO<sub>2</sub>. A gas stream having an initial pressure is compressed and subsequently cooled. The compressed and cooled gas stream has an increased pressure and reduced temperature at which the CO<sub>2</sub> in the gas stream is at least partially converted to the liquid phase. The liquid phase is separated from the compressed and cooled gas stream, to provide a liquid phase stream and a gas phase stream, wherein the output pressure of the liquid phase stream is higher than the initial pressure of the gas stream.

IPC 8 full level

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Citation (search report)

See references of WO 2010130781A1

Citation (examination)

- EP 2149769 A1 20100203 - BP ALTERNATIVE ENERGY INTERNAT [GB]
- US 3614872 A 19711026 - TASSONEY JOSEPH P, et al

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DOCDB simple family (publication)

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DOCDB simple family (application)

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