

Title (en)

PROCESS AND APPARATUS FOR PROCESSING A GAS STREAM AND ESPECIALLY FOR PROCESSING A FLUE GAS STREAM

Title (de)

VORRICHTUNG UND VERFAHREN ZUR AUFBEREITUNG EINES GASSTROMS UND INSBESONDERE ZUR AUFBEREITUNG EINES RAUCHGASSTROMS

Title (fr)

DISPOSITIF ET PROCÉDÉ SERVANT À LA PRÉPARATION D'UN FLUX DE GAZ, EN PARTICULIER D'UN FLUX DE GAZ DE FUMÉES

Publication

EP 2945729 A1 20151125 (DE)

Application

EP 14702582 A 20140203

Priority

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- EP 2014052028 W 20140203

Abstract (en)

[origin: WO2014127980A1] An apparatus (1) is proposed for processing a gas stream and especially for processing a flue gas stream, comprising a scrubbing apparatus (3) for removing harmful substances from the gas stream by means of a scrubbing medium (11), and a separation apparatus (5) which is connected downstream of the washing apparatus (3) and comprises an absorber (39) and a desorber (45) for separation of carbon dioxide from the gas stream by means of a scrubbing medium (11). In this context, the scrubbing apparatus (3) and the separation apparatus (5) are set up to use the same scrubbing medium (11). Additionally specified is a process in which the same scrubbing medium is used both for pre-purification of the gas stream in a scrubbing apparatus (3) and for separation of carbon dioxide in a separation apparatus (5).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2014127980A1

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