Title (en)

DEVICE FOR SEPARATING GAS COMPONENTS CONTAINED IN A GAS MIXTURE, AND USE THEREOF FOR SEPARATING METHANE AND CARBON DIOXIDE FROM A BIOGAS

Title (de)

VORRICHTUNG ZUR TRENNUNG VON GASKOMPONENTEN IN EINEM GASGEMISCH UND VERWENDUNG DAVON ZUR ABSCHEIDUNG VON METHAN UND KOHLENDIOXID AUS BIOGAS

Title (fr)

DISPOSITIF DE SÉPARATION DE CONSTITUANTS GAZEUX CONTENUS DANS UN MÉLANGE GAZEUX, ET SON UTILISATION POUR LA SÉPARATION DE MÉTHANE ET DE DIOXYDE DE CARBONE D'UN BIOGAZ

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Application

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Abstract (en)

[origin: WO2015135921A1] The invention relates to a device for separating a first gas component and a second gas component which are contained in a gas mixture, comprising: a liquid/gas absorption separation column (10), comprising a lower tank (12) and an upper separation area (11); means for placing the gas mixture in contact, with a liquid solution capable of selectively absorbing the second gas component, via counter-flow circulation in the separation area (11); and means (19) for recovering the first gas component, separate from the second gas component. The tank (12) stores a volume (16) of absorbing solution. The transverse cross-sectional surface of the tank (12) of the absorption column (10) is no lower than twice the transverse cross-sectional surface of the separation area (11) of the absorption column (10).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2015135921A1

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