

Title (en)
DEVICE AND METHOD FOR DECARBONATING BIOGAS

Title (de)
VORRICHTUNG UND VERFAHREN ZUR ENTCARBONISIERUNG VON BIOGAS

Title (fr)
DISPOSITIF ET PROCÉDÉ DE DÉCARBONATATION DE BIOGAZ

Publication
EP 3383981 A1 20181010 (FR)

Application
EP 16819606 A 20161205

Priority
• FR 1561874 A 20151204
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Abstract (en)
[origin: WO2017093701A1] The device (20) for decarbonating biogas comprises: - a first tank (205), for holding a volume of liquid comprising lime and water, comprising: - a first part (275) comprising: - an inlet (215) for biogas into the liquid, - an inlet (210) for the liquid and - a partition (280) for overflowing of the liquid to a second part (285), - the second part comprising: - a means (265) for collecting calcium carbonate and - an outlet (220) for the liquid, configured to release a part of the liquid when the volume of the liquid in the first tank is greater than a predefined maximum retention volume, - a second tank (225), for holding a volume of liquid comprising lime and water, comprising: - an inlet (230) for water released by the first tank, - an outlet (235) for decarbonated biogas and - an outlet (240) for the liquid, - a pipe (245) for recirculating the liquid leaving the second tank to the first tank, - a means (246) of recirculating the liquid leaving the second tank to the first tank, - a sensor (250) for sensing the pH of the liquid and - a means (255) of supplying lime to the liquid when the pH of the liquid is less than a predefined setpoint value.

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Citation (search report)
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