

Title (en)

DECOMPOSITION UNIT FOR REMOVAL OF AN UNDESIRE GAS COMPONENT IN A GAS STREAM

Title (de)

DEKOMPOSITIONSEINHEIT ZUR ENTFERNUNG EINES UNERWÜNSCHTEN GASBESTANDTEILS AUS EINEM GASSTROM

Title (fr)

UNITÉ DE DÉCOMPOSITION ÉLIMINANT UN COMPOSANT GAZEUX INDÉSIRABLE DANS UN COURANT DE GAZ

Publication

**EP 2512624 A1 20121024 (EN)**

Application

**EP 10837962 A 20101208**

Priority

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- SE 1000169 A 20100222
- SE 2010000292 W 20101208

Abstract (en)

[origin: WO2011075033A1] A decomposition unit which is suitable for the decomposition of a gaseous undesired component present in a gas stream comprising: i) a flow-through decomposition chamber in which the undesired component is decomposed and which has an outlet and an inlet, and ii) a heating arrangement, and iii) a flow line passing through the heat exchanger and the decomposition chamber via its inlet and outlet. The characteristic feature of the heating arrangement is that it comprises A) a regenerative heat exchanger which in the flow line downstream of the regenerative heat exchanger creates repetitive puffs containing the undesired component to be removed, and B) a puff filter connected to the flow line at a position downstream of the regenerative heat exchanger, said puff filter a) being capable of removing the undesired component in said puffs, and b) typically comprising a container in which the undesired component is removed from the puffs and has an inlet end and an outlet end.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2011075033A1

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