

Title (en)

METHOD FOR PURIFYING, COOLING AND SEPARATING A GASEOUS MIXTURE AND ASSOCIATED APPARATUS

Title (de)

VERFAHREN ZUR REINIGUNG, KÜHLUNG UND TRENNUNG EINES GASGEMISCHES UND ZUGEHÖRIGE VORRICHTUNG

Title (fr)

PROCÉDÉ D'ÉPURATION, DE REFROIDISSEMENT ET DE SÉPARATION D'UN MÉLANGE GAZEUX ET APPAREIL ASSOCIÉ

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Application

EP 15759832 A 20150430

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Abstract (en)

[origin: WO2015166191A1] The invention relates to a method for cooling, purifying and separating a gaseous mixture (1) containing at least one impurity, in which the gaseous mixture is cooled to a temperature no higher than the temperature at which the at least one impurity solidifies in a heat exchanger (3, 3A) having cooling passages, the cooling passages being at least partially covered with a coating and/or physically treated and/or chemically treated, the coating and/or the treatment serving to limit or even to prevent the solidified impurity from forming and/or adhering to a surface of the passages; at least one portion (5B, 19) of the solidified impurity exiting the cooling passages of the heat exchanger is collected; and the gaseous mixture is drawn from the heat exchanger.

IPC 8 full level

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Citation (search report)

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