

Title (en)
METHOD FOR SEPARATING GASEOUS MIXTURES

Title (de)
VERFAHREN ZUR AUFTRENNUNG VON GASGEMISCHEN

Title (fr)
PROCEDE DE DECOMPOSITION DE MELANGES GAZEUX

Publication
EP 1526913 A1 20050504 (DE)

Application
EP 03725006 A 20030411

Priority
• DE 10233898 A 20020725
• EP 0303753 W 20030411

Abstract (en)
[origin: DE10233898A1] Fluorinated hydrocarbons are recovered from mixtures with e.g. carbon dioxide, nitrogen, air or noble gases, by means of at least one adsorption of the fluoro compounds onto hydrophobic zeolite with a SiO₂ : Al₂O₃ ratio of 80:1 and a pore diameter of 0.4 -2nm. A preliminary separation may first be made using a membrane process, and the fluorocarbon lean permeate treated by adsorption. An Independent claim is included for a vehicle mounted processing plant comprising one or more membrane separation stages and one or more zeolite packed adsorbers.

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IPC 8 full level
B01D 53/70 (2006.01); **B01D 53/04** (2006.01); **B01D 53/22** (2006.01); **B01J 20/20** (2006.01)

CPC (source: EP KR)
B01D 53/02 (2013.01 - KR); **B01D 53/04** (2013.01 - EP KR); **B01D 53/229** (2013.01 - EP); **B01D 53/70** (2013.01 - KR); **B01D 2253/108** (2013.01 - EP); **B01D 2253/30** (2013.01 - EP); **B01D 2253/304** (2013.01 - EP); **B01D 2253/308** (2013.01 - EP); **B01D 2256/24** (2013.01 - EP); **B01D 2256/26** (2013.01 - EP); **B01D 2259/40083** (2013.01 - EP); **Y02C 20/30** (2013.01 - EP)

Citation (search report)
See references of WO 2004014526A1

Designated contracting state (EPC)
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