

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 SiO<sub>2</sub> : Al<sub>2</sub>O<sub>3</sub> 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  
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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)

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