

Title (en)
EQUIPMENT AND SYSTEM FOR PROCESSING A GASEOUS MIXTURE BY PERMEATION

Title (de)
VORRICHTUNG UND SYSTEM ZUR VERARBEITUNG EINER GASFÖRMIGEN MISCHUNG DURCH PERMEATION

Title (fr)
INSTALLATION ET SYSTÈME DE TRAITEMENT D'UN MÉLANGE GAZEUX PAR PERMÉATION

Publication
EP 2173465 A1 20100414 (FR)

Application
EP 08805958 A 20080609

Priority
• FR 2008051023 W 20080609
• FR 0755763 A 20070614

Abstract (en)
[origin: WO2009004208A1] The invention relates to an equipment and a system for processing a gaseous mixture by permeation. The equipment of the invention includes $m \times n$ separation modules P_{ij} , n and n being natural integers higher than or equal to 2, i being a natural integer from 1 to m , and j is a natural interger from 1 to n . Each of the separation modules P_{ij} includes a permeate inlet E_{pij} , the permeate inlet E_{p11} of the separation module P_{11} corresponding to the F inlet for supplying the gaseous mixture into said equipment, a permeate outlet S_{pij} and a retentate outlet S_{rij} . Furthermore, the permeate outlet S_{pij} is connected to the permeate inlet E_{pi+1j} of the separation module P_{i+1j} , and the retentate outlet S_{rij} is connected to the permeate inlet E_{pij+1} of the separation module P_{ij+1} . The equipment does not use any intermediate recycling.

IPC 8 full level
B01D 53/22 (2006.01); **B01D 61/58** (2006.01); **C01B 3/56** (2006.01); **C01B 23/00** (2006.01); **G21C 19/303** (2006.01)

CPC (source: EP US)
B01D 53/226 (2013.01 - EP US); **B01D 53/227** (2013.01 - EP US); **C01B 3/501** (2013.01 - EP US); **C01B 3/503** (2013.01 - EP US); **C01B 23/0042** (2013.01 - EP US); **B01D 2317/022** (2013.01 - EP US); **B01D 2317/025** (2013.01 - EP US); **C01B 2203/0405** (2013.01 - EP US); **C01B 2203/0465** (2013.01 - EP US); **C01B 2203/047** (2013.01 - EP US); **C01B 2203/048** (2013.01 - EP US); **C01B 2210/0031** (2013.01 - EP US); **C01B 2210/005** (2013.01 - EP US); **C01B 2210/0051** (2013.01 - EP US); **C01B 2210/007** (2013.01 - EP US); **C01B 2210/0084** (2013.01 - EP US); **C01B 2210/0085** (2013.01 - EP US)

Citation (search report)
See references of WO 2009004208A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
FR 2917305 A1 20081219; **FR 2917305 B1 20110513**; CN 101801501 A 20100811; EP 2173465 A1 20100414; JP 2010529905 A 20100902; US 2011305310 A1 20111215; WO 2009004208 A1 20090108

DOCDB simple family (application)
FR 0755763 A 20070614; CN 200880100572 A 20080609; EP 08805958 A 20080609; FR 2008051023 W 20080609; JP 2010511698 A 20080609; US 66441908 A 20080609