

Title (en)
RECOVERY OF GASES, ESPECIALLY PERMANENT GASES, FROM STREAMS OF MATTER, ESPECIALLY FROM OFFGAS STREAMS FROM POLYMERIZATIONS

Title (de)
RÜCKGEWINNUNG VON GASEN, INSBESONDERE PERMANENTGASEN, AUS STOFFSTRÖMEN, INSBESONDERE AUS ABGASSTRÖMEN VON POLYMERISATIONEN

Title (fr)
RÉCUPÉRATION DE GAZ, NOTAMMENT DE GAZ PERMANENTS, À PARTIR DE FLUX DE MATIÈRES, EN PARTICULIER DE FLUX DE POLYMÉRISATIONS DANS DES EFFLUENTS

Publication
EP 3177385 A1 20170614 (DE)

Application
EP 15759631 A 20150723

Priority
• DE 102014011750 A 20140807
• EP 14004421 A 20141223
• EP 2015001528 W 20150723

Abstract (en)
[origin: WO2016020042A1] The invention relates to a method of cleaning a stream of matter (S), wherein the stream of matter (S) includes a C2+ fraction and at least one first gaseous substance and a different second gaseous substance, wherein the stream of matter (S) is subjected to a pressure swing adsorption (10) to remove the C2+ fraction. According to the invention, the stream of matter (S), after the removal of the C2+ fraction by means of a membrane (20), is separated into a retentate (R) and a permeate (P), wherein the first substance is enriched in the retentate (R) and the second substance is depleted in the retentate (R), and wherein the first substance is depleted in the permeate (P) and the second substance is enriched in the permeate (P).

IPC 8 full level
B01D 53/22 (2006.01); **B01D 53/047** (2006.01); **C07C 7/12** (2006.01); **C07C 7/144** (2006.01)

CPC (source: CN EP RU US)
B01D 53/047 (2013.01 - CN EP US); **B01D 53/22** (2013.01 - RU); **B01D 53/229** (2013.01 - CN EP US); **C07C 7/005** (2013.01 - CN EP US); **C07C 7/12** (2013.01 - CN EP US); **C07C 7/144** (2013.01 - CN EP US); **B01D 2256/24** (2013.01 - CN EP US); **B01D 2257/102** (2013.01 - CN EP US); **B01D 2257/108** (2013.01 - CN EP US)

C-Set (source: CN EP US)
1. **C07C 7/12 + C07C 11/04**
2. **C07C 7/12 + C07C 11/06**
3. **C07C 7/144 + C07C 11/06**
4. **C07C 7/144 + C07C 11/04**
5. **C07C 7/005 + C07C 11/04**
6. **C07C 7/005 + C07C 11/06**

Citation (examination)
CN 101757830 A 20100630 - YANZHAI DANG, et al

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2016020042 A1 20160211; CN 107073390 A 20170818; EP 3177385 A1 20170614; MY 179140 A 20201028; RU 2017107200 A 20180907; RU 2017107200 A3 20181219; RU 2687951 C2 20190516; SA 517380846 B1 20201222; US 10092876 B2 20181009; US 2017209830 A1 20170727

DOCDB simple family (application)
EP 2015001528 W 20150723; CN 201580042134 A 20150723; EP 15759631 A 20150723; MY PI2017700392 A 20150723; RU 2017107200 A 20150723; SA 517380846 A 20170206; US 201515500593 A 20150723