

Title (en)  
SEPARATING METHOD FOR ALTERNATIVE GAS MIXTURES FOR USE AS INSULATING MEDIA

Title (de)  
TRENNVERFAHREN FÜR ALTERNATIVE GASGEMISCHE FÜR DIE VERWENDUNG ALS ISOLATIONSMEDIEN

Title (fr)  
PROCÉDÉ DE SÉPARATION POUR DES MÉLANGES GAZEUX DE SUBSTITUTION POUR L'UTILISATION EN TANT QUE MILIEUX ISOLANTS

Publication  
**EP 4003571 A1 20220601 (DE)**

Application  
**EP 20732108 A 20200518**

Priority  
• DE 102019119741 A 20190722  
• EP 2020063858 W 20200518

Abstract (en)  
[origin: CA3142980A1] The invention relates to a method for recovering a useful gas from a gas mixture consisting of a useful gas and at least one secondary gas, wherein the gas mixture is first compressed and transferred into a pressure vessel. Then, from the pressure vessel, a secondary-gas containing gas phase is removed and condensed useful gas is transferred into a purification vessel. In the purification vessel, the condensed useful gas is then purified. The invention further relates to a plant for recovering a useful gas from a gas mixture. Finally, the invention relates to the use of a plant to carry out a method for recovering a useful gas from a gas mixture.

IPC 8 full level  
**B01D 53/00** (2006.01); **B01D 1/00** (2006.01); **B01D 5/00** (2006.01); **F25J 3/06** (2006.01); **H02B 13/055** (2006.01)

CPC (source: CN EP KR US)  
**B01D 1/0058** (2013.01 - US); **B01D 1/0082** (2013.01 - CN EP KR US); **B01D 1/28** (2013.01 - US); **B01D 5/0003** (2013.01 - US); **B01D 5/0039** (2013.01 - CN US); **B01D 5/0051** (2013.01 - CN EP KR US); **B01D 5/006** (2013.01 - CN EP KR US); **B01D 5/0075** (2013.01 - CN US); **B01D 5/009** (2013.01 - CN EP KR US); **B01D 5/0093** (2013.01 - CN EP KR US); **B01D 53/002** (2013.01 - CN EP KR US); **C10G 5/06** (2013.01 - EP KR); **F24H 3/0405** (2013.01 - CN); **F24H 9/1863** (2013.01 - CN); **F24H 9/2071** (2013.01 - CN); **F25J 3/0695** (2013.01 - CN); **H02B 13/055** (2013.01 - CN KR); **B01D 2256/26** (2013.01 - CN EP KR US); **B01D 2257/102** (2013.01 - US); **B01D 2257/104** (2013.01 - US); **B01D 2257/504** (2013.01 - US); **B01D 2259/65** (2013.01 - US); **B01D 2259/655** (2013.01 - CN EP KR); **H02B 13/055** (2013.01 - EP)

Citation (search report)  
See references of WO 2021013403A1

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)  
**DE 102019119741 A1 20210128**; CA 3142980 A1 20210128; CN 114007723 A 20220201; EP 4003571 A1 20220601; JP 2022541040 A 20220921; KR 20220052906 A 20220428; US 2022266190 A1 20220825; WO 2021013403 A1 20210128

DOCDB simple family (application)  
**DE 102019119741 A 20190722**; CA 3142980 A 20200518; CN 202080042528 A 20200518; EP 2020063858 W 20200518; EP 20732108 A 20200518; JP 2022502933 A 20200518; KR 20227002347 A 20200518; US 202017629000 A 20200518