

Title (en)
PROCESS FOR INJECTING BIOMETHANE INTO A NATURAL GAS NETWORK

Title (de)
VERFAHREN ZUR INJEKTION VON BIOMETHAN IN EIN ERDGASNETZ

Title (fr)
PROCÉDÉ D'INJECTION DE BIOMETHANE DANS UN RÉSEAU DE GAZ NATUREL

Publication
EP 3143105 A1 20170322 (FR)

Application
EP 15725844 A 20150511

Priority
• FR 1454321 A 20140515
• FR 2015051230 W 20150511

Abstract (en)
[origin: WO2015173503A1] A process for injecting biomethane into a network which has a gross calorific value of value X between XI and X2, comprising the injection of nitrogen into the biomethane network before the injection of the biomethane into the network which has a gross calorific value of value X so as to reduce the calorific value of the biomethane network to a value between XI and X2, with the nitrogen derived from the retentate of at least one membrane stage.

IPC 8 full level
B01F 23/10 (2022.01); **C10L 3/08** (2006.01)

CPC (source: CN EP US)
B01D 53/04 (2013.01 - US); **B01D 53/229** (2013.01 - US); **C10L 3/08** (2013.01 - CN EP US); **C10L 3/103** (2013.01 - US); **C10L 3/104** (2013.01 - US); **B01D 2253/102** (2013.01 - US); **B01D 2256/12** (2013.01 - US); **B01D 2257/304** (2013.01 - US); **C10L 2290/141** (2013.01 - US); **C10L 2290/143** (2013.01 - US); **C10L 2290/542** (2013.01 - US); **C10L 2290/547** (2013.01 - US); **C10L 2290/58** (2013.01 - US); **Y02E 50/30** (2013.01 - EP US)

Citation (search report)
See references of WO 2015173503A1

Citation (examination)
US 6478852 B1 20021112 - CALLAGHAN KEVIN PATRICK [US], 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 2015173503 A1 20151119; CN 106536688 A 20170322; EP 3143105 A1 20170322; FR 3020966 A1 20151120; FR 3020966 B1 20171027; US 2017088785 A1 20170330

DOCDB simple family (application)
FR 2015051230 W 20150511; CN 201580034927 A 20150511; EP 15725844 A 20150511; FR 1454321 A 20140515; US 201515311376 A 20150511