

Title (en)
METHOD FOR THE PRODUCTION OF HIGH-PURITY BIOMETHANE

Title (de)
VERFAHREN ZUR HERSTELLUNG VON HOCHREINEM BIOMETHAN

Title (fr)
PROCÉDÉ DE PRODUCTION DE BIOMÉTHANE DE HAUTE PURETÉ

Publication
EP 4001381 A1 20220525 (EN)

Application
EP 21206402 A 20211104

Priority
IT 202000027474 A 20201117

Abstract (en)
A method for the production of biomethane (10) from biogas (100), wherein the biogas (100) is subjected to at least two steps of biogas upgrading, with intermediate removal of H_2O , the biogas upgrading step consisting in the direct methanation reaction of the CO_2 that is present in the biogas:
 $CO_2 + 4H_2 \leftrightarrow CH_4 + 2H_2O$.

IPC 8 full level
C10L 3/08 (2006.01); **B01D 5/00** (2006.01); **C10L 3/10** (2006.01)

CPC (source: EP)
C10L 3/08 (2013.01); **C10L 3/106** (2013.01); **C10L 2290/06** (2013.01); **C10L 2290/26** (2013.01)

Citation (applicant)
NATURAL GAS AND BIOMETHANE FOR USE IN TRANSPORT AND BIOMETHANE FOR INJECTION IN THE NATURAL GAS NETWORK,
December 2016 (2016-12-01)

Citation (search report)

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Designated contracting state (EPC)
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Designated extension state (EPC)
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