

Title (en)

A CARBON NEUTRAL PROCESS AND RELATING APPARATUS TO PRODUCE UREA FROM MUNICIPAL OR INDUSTRIAL WASTES WITH ZERO EMISSIONS

Title (de)

KOHLENSTOFFNEUTRALES VERFAHREN UND ZUGEHÖRIGE VORRICHTUNG ZUR HERSTELLUNG VON HARNSTOFF AUS STÄDTISCHEN ODER INDUSTRIELLEN ABFÄLLEN OHNE EMISSIONEN

Title (fr)

PROCÉDÉ NEUTRE EN CARBONE ET APPAREIL ASSOCIÉ DESTINÉ À PRODUIRE DE L'URÉE À PARTIR DE DÉCHETS URBAINS OU INDUSTRIELS À ÉMISSION NULLE

Publication

**EP 3411356 A1 20181212 (EN)**

Application

**EP 16724479 A 20160203**

Priority

IT 2016000026 W 20160203

Abstract (en)

[origin: WO2017134691A1] A process and apparatus for producing a nitrogen based fertilizer, urea, from carbon containing municipal and industrial wastes, comprises high temperature gasification to produce hydrogen and to make ammonia, and then combining ammonia and CO<sub>2</sub> to produce urea. The process is able of sequestering all carbon dioxide associated to waste by a parallel production of hydrogen through water electrolysis and/or reforming bio-gas.

IPC 8 full level

**C07C 273/10** (2006.01)

CPC (source: EP)

**C07C 273/10** (2013.01); **C01B 2203/0811** (2013.01)

Citation (search report)

See references of WO 2017134691A1

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Designated extension state (EPC)

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DOCDB simple family (publication)

**WO 2017134691 A1 20170810; WO 2017134691 A8 20180913**; EP 3411356 A1 20181212

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