

Title (en)

INTEGRATED PLANT AND METHOD FOR THE FLEXIBLE USE OF ELECTRICITY

Title (de)

INTEGRIERTE ANLAGE UND VERFAHREN ZUM FLEXIBLEN EINSATZ VON STROM

Title (fr)

INSTALLATION INTÉGRÉE ET PROCÉDÉ D'UTILISATION SOUPLE DE COURANT ÉLECTRIQUE

Publication

EP 3003982 A1 20160413 (DE)

Application

EP 14724342 A 20140430

Priority

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- EP 2014058777 W 20140430

Abstract (en)

[origin: WO2014191147A1] The present invention relates to an integrated plant which comprises a plant for the electrothermic production of hydrogen cyanide and a separating device for separating hydrogen cyanide from the reaction mixture of the electrothermic production of hydrogen cyanide while obtaining at least one stream of gas containing hydrogen and/or hydrocarbons, the integrated plant having a device for introducing a gas into a natural gas network, to which device a stream of gas containing hydrogen and/or hydrocarbons is fed from the separating device via at least one conduit. This integrated plant affords flexible use of electricity by a method in which a stream of gas, containing hydrogen and/or hydrocarbons, is fed into a natural gas network from the separating device and the amount and/or the composition of the stream of gas fed into the natural gas network is changed in dependence on the electricity supply.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2014191147A1

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