

Title (en)

METHOD AND DEVICE FOR PRODUCING ACETYLENE AND SYNTHESIS GAS BY RAPIDLY MIXING THE REACTANTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON ACETYLEN UND SYNTHESSEGAS DURCH SCHNELLE MISCHUNG DER REAKTANDEN

Title (fr)

PROCEDE ET DISPOSITIF DE FABRICATION D'ACETYLENE ET DE GAZ DE SYNTHESE PAR MELANGE RAPIDE DES REACTIFS

Publication

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Application

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Priority

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Abstract (en)

[origin: DE102005018981A1] Preparation of acetylene and synthesis gas by partial thermal oxidation in a reactor, which exhibits a burner (1) with execution holes (6), comprises quickly and completely mixing an use material for bringing it to the reaction directly before the flame reaction zone in the execution holes of the burner, where average flow rate is adjusted in the mixing zone within the execution hole, and the propagation of flame velocity is exceeded with the given reaction conditions. An independent claim is included for a device for executing the preparation of acetylene, comprising a conventional burner for acetylene production that is added by an intermediate flange with a mixing device, which enables a mixture of the used materials into the execution holes of the burner.

IPC 8 full level

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