

Title (en)
METHOD FOR THE PRODUCTION OF A SYNGAS FROM A STREAM OF LIGHT HYDROCARBONS AND FROM COMBUSTION FUMES FROM A CEMENT CLINKER PRODUCTION UNIT

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES SYNTHESGASES AUS EINEM STROM VON LEICHTEN KOHLENWASSERSTOFFEN UND AUS VERBRENNUNGSDÄMPFEN AUS EINER ZEMENTKLINKERPRODUKTIONSANLAGE

Title (fr)
PROCÉDÉ DE PRODUCTION D'UN GAZ DE SYNTHÈSE À PARTIR D'UN FLUX D'HYDROCARBURES LÉGERS ET DE FUMÉES DE COMBUSTION ISSUES D'UNE UNITÉ DE FABRICATION DE CLINKER DE CIMENT

Publication
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Application
EP 17816450 A 20171106

Priority
• FR 1661618 A 20161129
• EP 2017078302 W 20171106

Abstract (en)
[origin: CA3041993A1] A method is described for producing a syngas containing CO and H₂ from a stream of light hydrocarbons and combustion fumes from a cement clinker production unit comprising at least one calcining kiln (300) and means (500) for discharging the combustion fumes from the calcining kiln to the outside of said unit, the method comprising the following steps: - at least some of the combustion fume (70) obtained in the clinker production unit is collected upstream of the means (500) for discharging the combustion fumes; - a reaction stream (113) comprising a stream of light hydrocarbons (110) containing methane and the combustion fumes (70) is prepared; - the reaction stream (113) is supplied to a tri-reforming reactor (1009) to produce a syngas (114).

IPC 8 full level
C01B 3/38 (2006.01); **C04B 7/36** (2006.01)

CPC (source: EP US)
C01B 3/382 (2013.01 - EP US); **C04B 7/367** (2013.01 - EP US); **C01B 2203/0238** (2013.01 - EP); **C01B 2203/0244** (2013.01 - EP US); **C01B 2203/062** (2013.01 - EP US); **C01B 2203/0811** (2013.01 - US); **C01B 2203/1047** (2013.01 - EP US); **C01B 2203/143** (2013.01 - US); **C04B 2290/20** (2013.01 - EP US); **Y02P 40/121** (2015.11 - EP); **Y02P 40/18** (2015.11 - EP)

Citation (search report)
See references of WO 2018099693A1

Designated contracting state (EPC)
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