

Title (en)
PROCESS GAS GENERATION BY MEANS OF HEAT RECOVERY FROM LOW-TEMPERATURE WASTE HEAT

Title (de)
PROZESSGASERZEUGUNG MITTELS WÄRMERÜCKGEWINNUNG AUS NIEDERTEMPERATURABWÄRME

Title (fr)
PRODUCTION DE GAZ DE PROCÉDÉ AU MOYEN DE RÉCUPÉRATION DE CHALEUR À PARTIR DE CHALEUR D'ÉCHAPPEMENT À BASSE TEMPÉRATURE

Publication
EP 2349922 A1 20110803 (DE)

Application
EP 09748703 A 20091014

Priority
• EP 2009007368 W 20091014
• DE 102008056538 A 20081110

Abstract (en)
[origin: CA2743089A1] Process for heat utilization in steam reforming, comprising a high-temperature conversion unit, a first heat exchanger, and hereinafter boiler feed water preheater, product condensate heat exchanger, and low-pressure evaporator, a cooling section, in which the process gas is further cooled and a condensate stream is generated and the resultant process gas is passed through at least one unit for further processing. In addition, a deionized water stream, a water treatment unit, wherein a first part of the boiler feed water stream is passed into the low-pressure evaporator, and the low-pressure steam generated is divided and a first substream of the low-pressure steam is conducted into the water treatment unit for heat transfer and a second substream of the low-pressure steam is passed to at least one consumer. A second part of the boiler feed water stream is passed via a heat exchanger and one or more boiler feed water preheaters and finally passed for steam generation. The condensate stream from the cooling section is passed into the product condensate heat exchanger via a unit for pressure elevation.

IPC 8 full level
C01B 3/34 (2006.01)

CPC (source: EP US)
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