

Title (en)
PROCESS FOR UTILIZING THE SYTHESIS GAS ORIGINATING FROM A GASIFIER

Title (de)
VERFAHREN ZUR NUTZUNG DES AUS EINEM VERGASER STAMMENDEN SYNTHESGASES

Title (fr)
PROCÉDÉ D'UTILISATION D'UN GAZ DE SYNTHÈSE ISSU D'UN GAZÉIFICATEUR

Publication
EP 2435669 A2 20120404 (DE)

Application
EP 09795332 A 20091211

Priority
• EP 2009008864 W 20091211
• DE 102008063055 A 20081223

Abstract (en)
[origin: WO2010072337A2] A synthesis gas (H₂+CO) originating from a gasifier is intended to be utilized in an economic and optimum manner, in particular for power generation, wherein then CO₂ produced at the same time is to be fed to storage. This is achieved in that the synthesis gas (H₂+CO) and oxygen (O₂) from an air fractionation plant are burnt in a burner and expanded via a gas turbine (driving a generator), in that CO₂ in the exhaust gas stream is separated and fed to a compressor driven by the gas turbine and fed as compressed CO₂ to a CO₂ store.

IPC 8 full level
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