

Title (en)  
METHOD FOR THE PRODUCTION OF CURRENT FROM MATERIAL CONTAINING CARBON

Title (de)  
VERFAHREN ZUR STROMERZEUGUNG AUS KOHLENSTOFFHALTIGEM MATERIAL

Title (fr)  
PROCEDE POUR PRODUIRE DU COURANT A PARTIR D'UN MATERIAU CARBONE

Publication  
**EP 1436366 A1 20040714 (DE)**

Application  
**EP 02772068 A 20020917**

Priority  
• DE 0203509 W 20020917  
• DE 10149649 A 20011009

Abstract (en)  
[origin: DE10149649A1] The production of a current from a carbon-containing material, especially biomass, comprises allothermally gasifying the material in a reactor (1) producing a fluidized layer (5); cooling the gas produced after passing through a cyclone in successive stages; removing pollutants from the gas by condensation; and removing further pollutants using a chemical method. Preferred Features: The waste gases from combustion engines and/or burners are used to thermo-chemically digest the materials to be gasified, to heat and/or dry the materials to be gasified or to heat the combustion air of the gases or a post-combustion boiler. The waste gases are passed through a waste heat boiler to produce steam. A condensation steam turbine (9) is driven by the waste heat boiler.

IPC 1-7  
**C10J 3/54**; **C10J 3/84**; **C10J 3/56**

IPC 8 full level  
**C10J 3/54** (2006.01); **C10J 3/56** (2006.01); **C10J 3/82** (2006.01); **C10J 3/84** (2006.01); **F01K 23/06** (2006.01)

CPC (source: EP)  
**C10J 3/482** (2013.01); **C10J 3/54** (2013.01); **C10J 3/56** (2013.01); **C10J 3/82** (2013.01); **C10J 3/84** (2013.01); **C10K 1/101** (2013.01); **F01K 23/067** (2013.01); **C10J 2300/0916** (2013.01); **C10J 2300/0973** (2013.01); **C10J 2300/1215** (2013.01); **C10J 2300/1246** (2013.01); **C10J 2300/1628** (2013.01); **C10J 2300/1634** (2013.01); **C10J 2300/1823** (2013.01); **C10J 2300/1884** (2013.01); **C10J 2300/1892** (2013.01); **Y02E 20/14** (2013.01); **Y02E 20/18** (2013.01); **Y02P 20/129** (2015.11)

Citation (search report)  
See references of WO 03033623A1

DOCDB simple family (publication)  
**DE 10149649 A1 20030424**; EP 1436366 A1 20040714; WO 03033623 A1 20030424

DOCDB simple family (application)  
**DE 10149649 A 20011009**; DE 0203509 W 20020917; EP 02772068 A 20020917