

Title (en)
Gas producing apparatus

Title (de)
Gaserzeugungsvorrichtung

Title (fr)
Appareil de production de gaz

Publication
EP 2666845 A1 20131127 (EN)

Application
EP 12169260 A 20120524

Priority
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Abstract (en)
A gas production apparatus (2) is disclosed. The apparatus comprises a receptacle (4) for receiving and processing carbonaceous material and or carbonaceous solid fuel and or fuel containing hydrocarbon(s) passing therethrough, the receptacle defining a flaming pyrolysis zone (34) in which carbonaceous material is heated in the presence of partial oxygen to generate volatile gases, and a gasification zone (42) in which carbonaceous material is to generate volatile gases and char-ash. A first agitator has a stirrer (16) and blades (18) for agitating carbonaceous material in the flaming pyrolysis zone and a hollow air pipe (28) for introducing air into the flaming pyrolysis zone. A second agitator has rotating double shaft (46) and hollow blades (50) for grinding and moving fused char and for introducing air and or water to the gasification zone (42) via air and water pipes (54). Gas discharge pipes (40) enable removal of volatile gases from the receptacle 4.

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Citation (applicant)
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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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