

Title (en)
GASIFICATION APPARATUS AND METHOD

Title (de)
VERGASUNGSVORRICHTUNG UND VERFAHREN

Title (fr)
APPAREIL ET PROCEDE DE GAZEIFICATION

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Application
EP 05779367 A 20050804

Priority
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Abstract (en)
[origin: US2005155288A1] A gasification system is disclosed having a combustion or reaction vessel, a scrubber housing, and a filter housing. A carbonaceous fuel is partially combusted in the reaction vessel to generate a combustible gas. An improved ash support and removal system reduces clogging and other problems in the reaction vessel. The combustible gas passes through the scrubber housing to remove matter such as tar and oil, and the scrubbed gas passes through a hybrid blower to the filter housing. Wood chips are used in the filter housing to provide a relatively clean, dry gas. Wastewater and other waste products from the scrubber housing and filter housing are captured and returned to the reaction vessel.

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