

Title (en)  
PROCESS FOR GENERATING BURNABLE GAS

Title (de)  
VERFAHREN ZUR ERZEUGUNG VON BRENN GAS

Title (fr)  
PROCEDE DE GENERATION DE GAZ COMBUSTIBLE

Publication  
**EP 0745114 B1 19990324 (DE)**

Application  
**EP 95908915 A 19950208**

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Abstract (en)  
[origin: US5849050A] PCT No. PCT/EP95/00443 Sec. 371 Date Aug. 14, 1996 Sec. 102(e) Date Aug. 14, 1996 PCT Filed Feb. 8, 1995 PCT Pub. No. WO95/21903 PCT Pub. Date Aug. 17, 1995A process is disclosed for generating burnable gas by gasifying water- and ballast-containing organic materials, be it coal or garbage. The drying, low temperature carbonization and gasification steps are carried out separately. The heat taken from cooled gasified gas is supplied to the endothermic drying low temperature in low temperature carbonation stages. The low temperature carbonization gas is burned in a melting chamber furnace with air and/or oxygen or oxygen-rich flue gas and the liquid slag is evacuated, whereas the low temperature carbonization coke is blown into the hot combustion gases that leave the melting reactions which take place and give carbon monoxide and hydrogen reduce the carbon is removed from the gasified gas, supplied to the melting chamber furnace and completely burned. The advantage of the invention is that the ashes may be transformed into an elution-resistant granulated building material, in that a tar-free burnable gas is generated and in that oxygen consumption is strongly reduced in comparison with the fly stream gasification process.

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**US 5849050 A 19981215**; AT E178086 T1 19990415; AU 1705995 A 19950829; BR 9506803 A 19970930; CA 2183326 A1 19950817; CA 2183326 C 20051227; DE 4404673 A1 19950817; DE 4404673 C2 19951123; DE 59505441 D1 19990429; DK 0745114 T3 19990525; EP 0745114 A1 19961204; EP 0745114 B1 19990324; ES 2132638 T3 19990816; GR 3029982 T3 19990730; JP 4057645 B2 20080305; JP H09508663 A 19970902; NO 315125 B1 20030714; NO 963301 D0 19960808; NO 963301 L 19960808; WO 9521903 A1 19950817

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