

Title (en)
PRODUCTION OF ACTIVATED CHAR USING HOT GAS

Title (de)
HERSTELLUNG VON AKTIVIERTEM VERKOHLUNGSPRODUKT UNTER VERWENDUNG VON HEISSEM GAS

Title (fr)
PRODUCTION DE CHARBON ACTIF A L'AIDE DE GAZ CHAUDS

Publication
EP 1866246 A4 20121107 (EN)

Application
EP 06738006 A 20060313

Priority

- US 2006008894 W 20060313
- US 7851705 A 20050314
- US 22459005 A 20050912

Abstract (en)
[origin: WO2006099290A1] A gas mixture preheated to high temperatures using an oxy-fuel, an oxygen- enriched air-fuel or an air-fuel burner is used to devolatilize and partially oxidize carbonaceous feedstock, thereby producing an active residual char that can be used in applications utilizing activated carbon. Use of hot gas and ground carbonaceous feedstock allows the equipment to be minimized, thereby allowing the activated carbon to be produced at or near points of use, for example the production of activated char at or near utility boilers for use in the reduction of mercury emissions from flue gas streams.

IPC 8 full level
B01D 53/64 (2006.01); **B01J 20/20** (2006.01); **C01B 31/08** (2006.01); **C01B 32/336** (2017.01); **C01B 32/40** (2017.01)

CPC (source: EP KR)
B01D 53/10 (2013.01 - EP KR); **B01D 53/64** (2013.01 - EP KR); **B01J 20/20** (2013.01 - EP KR); **B01J 20/3078** (2013.01 - EP KR); **C01B 3/34** (2013.01 - EP KR); **C01B 32/336** (2017.07 - EP KR); **C01B 32/39** (2017.07 - EP KR); **C01B 32/40** (2017.07 - EP); **C10J 3/485** (2013.01 - KR); **B01D 2253/102** (2013.01 - EP KR); **B01D 2253/25** (2013.01 - EP KR); **B01D 2257/602** (2013.01 - EP KR); **B01D 2258/0283** (2013.01 - EP KR); **C10J 2300/093** (2013.01 - KR); **C10J 2300/0959** (2013.01 - KR); **C10J 2300/0973** (2013.01 - KR); **C10J 2300/1846** (2013.01 - KR)

Citation (search report)

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- [XAI] WO 9424228 A1 19941027 - VALTION TEKNILLINEN [FI], et al
- [AD] US 6726888 B2 20040427 - LANIER WILLIAM STEVEN [US], et al
- See references of WO 2006099290A1

Designated contracting state (EPC)
DE ES GB IT

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