

Title (en)  
A MULTI-ZONE CARBON CONVERSION SYSTEM WITH PLASMA MELTING

Title (de)  
MEHRERE ZONEN AUFWEISENDES KOHLENSTOFFUMWANDLUNGSSYSTEM MIT PLASMASCHMELZEN

Title (fr)  
SYSTÈME DE CONVERSION DE CARBONE À CHAMBRES MULTIPLES FAISANT APPEL À UNE FUSION AU PLASMA

Publication  
**EP 2263042 A1 20101222 (EN)**

Application  
**EP 08733556 A 20080227**

Priority

- CA 2008000452 W 20080227
- US 89174907 P 20070227
- US 89175407 P 20070227
- US 89176807 P 20070227
- US 89180707 P 20070227
- US 98613707 P 20071107

Abstract (en)  
[origin: WO2008104088A1] A multi-zone carbon converter for converting processed feedstock to syngas and slag is provided comprising a chamber comprising a carbon conversion zone in communication with a slag zone for melting ash into molten slag and/or for maintaining slag in a molten state by the application of plasma heat. The carbon conversion zone and the slag zone are separated by the inter-zonal region that comprises an impediment for restricting or limiting the movement of material between the two zones. The inter-zonal region may also provide for the initial melting of the ash into molten slag by affecting the transfer of plasma heat from the slag zone.

IPC 8 full level  
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CPC (source: EP)  
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