

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

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Application

EP 08733556 A 20080227

Priority

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- US 89174907 P 20070227
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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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