

Title (en)
METHOD FOR SEPARATING CARBON BY THERMAL TREATMENT

Title (de)
VERFAHREN ZUR KOHLENSTOFFTRENNUNG DURCH WÄRMEBEHANDLUNG

Title (fr)
PROCÉDÉ DE SÉPARATION DU CARBONE PAR TRAITEMENT THERMIQUE

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Application
EP 10796778 A 20100707

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Abstract (en)
[origin: WO2011004073A1] The invention relates to a method for separating carbon by thermal treatment, in which method matter to be processed (x) is brought by a feed arrangement (1) to a conveyor arrangement (3) connected to a process space (2) that is substantially of a Thompson Converter type, the matter to be processed (x) being made to move in the process space (2) in longitudinal direction (s) thereof by means of a conveyor arrangement (3) closed in relation to the space, whereby pyrolysis gas (y) formed by heat transfer from the process space into the matter to be processed (x) contained in the conveyor system is conveyed into a combustion space (4) provided in the process space for combustion of the gas, flue gas (y') thereby formed being discharged from the process space by means of a discharge arrangement (5), and thermally treated matter (x') is discharged from the conveyor arrangement for further processing. The pyrolysis gas (y) is, firstly, burned by a continuous gas burner arrangement (7) and, secondly, heat transfer of the conveyor system (3) in the process space (2) is carried out substantially by direct radiation from the flame of the gas burner arrangement (7) and from the walls of the combustion space (4).

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