

Title (en)
FUEL PRODUCT AND PROCESS

Title (de)
BRENNSTOFFPRODUKT UND VERFAHREN

Title (fr)
PRODUIT COMBUSTIBLE ET PROCEDE CORRESPONDANT

Publication
EP 1784479 A1 20070516 (EN)

Application
EP 05761525 A 20050706

Priority
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Abstract (en)
[origin: GB2416542A] A process for producing rigid fuel pellets from a particulate carbonaceous material and a silicate-based binder with one or more surfactants, and optionally water, comprising: admixing the material and binder; and agglomerating the mixture by tumbling, preferably using a rotary drum, to form rigid fuel pellets at ambient temperature. The agglomeration by tumbling allows pellets of a variable size distribution, which may be handled, stacked and transported without significant breakage, to be formed without moulding or heat treatment. Preferred binders comprise sodium or potassium silicate, with optional additional ingredients such as lime (as a sulphur-absorbing agent), inorganic binders, cements and waterproofing additives. Preferred particulate materials include coal dust, coal fines or peat. The pellets may be formed with hardened outer shell.

IPC 8 full level
C10L 5/10 (2006.01); **C10L 5/12** (2006.01)

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