

Title (en)

PROCESS AND APPARATUS FOR THE LOW TEMPERATURE CARBONIZATION OF AT LEAST PARTIALLY ORGANIC WASTE

Publication

**EP 0520977 A3 19930113 (DE)**

Application

**EP 92890153 A 19920624**

Priority

AT 126491 A 19910625

Abstract (en)

[origin: EP0520977A2] In order to be able to carbonise waste materials with organic constituents economically in a low-temperature carbonisation process, by heating the waste materials during their continuous conveyance along a treatment section to a suitable carbonisation temperature with air largely excluded, it is proposed that the carbonisation gases fed to the treatment section on the inlet side and flowing upwards at least in the region where the waste materials are charged, are passed along upstream of or in the region, where the waste materials are charged, at a higher flow velocity than in the region of the downstream treatment section, the waste materials taken along by the carbonisation gases as a carrier gas stream being heated in free flight in the hot carbonisation gases, while the non-carbonisable residual materials are precipitated out of the carrier gas stream against the upwards-directed gas flow. <IMAGE>

IPC 1-7

**C10B 53/00**

IPC 8 full level

**C10B 49/10** (2006.01); **C10B 53/00** (2006.01)

CPC (source: EP)

**C10B 49/10** (2013.01); **C10B 53/00** (2013.01)

Citation (search report)

- [X] GB 1384010 A 19740212 - AWT SYSTEMS INC
- [A] US 4239599 A 19801216 - CHOI CHARLES K [US]
- [A] DE 1160823 B 19640109 - KLOECKNER HUMBOLDT DEUTZ AG, et al

Cited by

CN105586078A; CN105586079A; CN105586077A

Designated contracting state (EPC)

CH DE DK FR LI NL SE

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**EP 0520977 A2 19921230; EP 0520977 A3 19930113; AT 398206 B 19941025; AT A126491 A 19940215**

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**EP 92890153 A 19920624; AT 126491 A 19910625**