

Title (en)
Improvements in Waste Processing

Title (de)
VERBESSERTE ABFALLVERARBEITUNG

Title (fr)
AMÉLIORATIONS DANS LE TRAITEMENT DES DÉCHETS

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Application
EP 12740641 A 20120712

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Abstract (en)
[origin: GB2493004A] An apparatus for processing material 2 such as organically coated waste and organic materials including biomass, industrial waste, municipal solid waste and sludge, comprising an elongate process tube 22 having an inlet for receiving the material and an outlet for processed material, a gas conveying system with a supply of hot pressurised inert gas 19 connected to the processing tube 22 at its inlet end to fluidically convey the material 2A, 2B, 2C, 2D through the processing tube 22, and a control system 74 to control the supply of the hot pressurised inert gas to the processing tube 22 such that in use the material 2A, 2B, 2C, 2D is conveyed through the tube 22, it is simultaneously heated to cause any organic matter therein to gassify to produce process gas. The device may comprise a separation means for extracting the process gas from the processing tube, and which may be supplied to the conveying tube for use as the conveying gas. The processing tube 22 may comprise a plurality of sections which are separated by a closure or valve 44 wherein the conveying gas moves the material from one section to the next.

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Citation (search report)
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