

Title (en)
IMPROVEMENTS IN WASTE PROCESSING

Title (de)
VERBESSERTE ABFALLVERARBEITUNG

Title (fr)
AMÉLIORATIONS DU TRAITEMENT DES DÉCHETS

Publication
EP 2958976 A1 20151230 (EN)

Application
EP 14701614 A 20140127

Priority
• GB 201302840 A 20130219
• GB 2014050201 W 20140127

Abstract (en)
[origin: GB2510901A] Apparatus for pyrolysing or gasifying material, eg municipal solid waste containing a mixture of organic material and metals, comprises an oven 10 mounted for rotation on at least one support 12,14. The oven 10 comprises a main processing chamber 16 for heating the material in a low or zero oxygen atmosphere to gasify or pyrolyse its organic content. A secondary processing chamber 18 for receiving processed material from the main processing chamber 16 is also provided. An eddy current separator 22 is positioned adjacent or in the secondary processing chamber 18 and is located such that as the oven rotates, material in the second processing chamber repeatedly passes it. The eddy current separator 22 is orientated such that, in use, it ejects non-ferrous metals from the secondary processing chamber 18 eg into a separation chamber 20. Ferrous metals may be removed by an electromagnet 32 before transfer from main chamber 16 to secondary chamber 18.

IPC 8 full level
C10J 3/00 (2006.01); **B01J 19/28** (2006.01); **B03C 1/23** (2006.01); **C10B 1/10** (2006.01); **C10B 53/00** (2006.01); **F23G 5/20** (2006.01)

CPC (source: EP GB)
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Citation (search report)
See references of WO 2014128432A1

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