

Title (en)

Process and device for improved sorting of waste paper and cardboard

Title (de)

Verfahren und Vorrichtung zur optimierten Sortierung von Altpapier und Altkarton

Title (fr)

Procédé et dispositif de tri pour déchets du papier et carton

Publication

**EP 1533045 B1 20090204 (DE)**

Application

**EP 03450252 A 20031118**

Priority

EP 03450252 A 20031118

Abstract (en)

[origin: EP1533045A1] A waste recycling assembly recovers wood and paper products for use as incinerator fuel. Waste products are transported by a conveyer belt under a halogen lamp where they are registered by a CCD camera coupled through a lens and spectrograph. The camera registers lines transverse to the direction of refuse travel. The camera registered selected wavelengths coinciding with the target products. The target residues are subsequently discharged by the belt into a sorting assembly operating on the basis of the wavelengths detected by the CCD camera. The lamp emits light in the wavelength from infrared to ultra-violet. Residues including plastics are separated into two fractions. Also claimed is a commensurate assembly with a CCD or NIR camera.

IPC 8 full level

**B07C 5/342** (2006.01)

CPC (source: EP)

**B07C 5/3422** (2013.01)

Cited by

WO2018211545A1; CN110523654A; CN108778532A; FR2982955A1; CN114669493A; GB2528979A; IT201700054728A1; CN102601063A; US11084063B2; WO2013076428A1; EP3015178A1; WO2017149230A1

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DOCDB simple family (publication)

**EP 1533045 A1 20050525; EP 1533045 B1 20090204**; AT E422172 T1 20090215; DE 50311157 D1 20090319

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