

Title (en)
Sorting device for separating cardboard

Title (de)
Sortiervorrichtung zum Trennen von Karton

Title (fr)
Dispositif de tri pour séparer un carton

Publication
EP 2311577 A1 20110420 (EN)

Application
EP 09173202 A 20091015

Priority
EP 09173202 A 20091015

Abstract (en)
The invention concerns a separating device for separating a mixture of cardboard pieces (36) and paper sheets comprising a sorting belt (13), above the sorting belt sorting tines (3) mounted in a first drum (6) and extending from the first drum for impaling and picking up cardboard pieces from the sorting belt (13), and drive means for driving the sorting belt and/or rotating the first drum so that the sorting tines move approximately synchronously with the sorting belt. In accordance with the invention the sorting belt (13) pushes a sorting tine (3) into the first drum (6) against a spring (31) when the first drum rotates the sorting tine towards the sorting belt and the spring (31) pushes the sorting tine (3) outwards when the first drum (6) rotates the sorting tine (3) away from the sorting belt (13).

IPC 8 full level
B07B 13/00 (2006.01)

CPC (source: EP)
B07B 13/003 (2013.01)

Citation (applicant)
EP 1785200 A1 20070516 - WAGENSVELD BV [NL]

Citation (search report)
• [A] US 2246851 A 19410624 - JORDAN HARVEY A
• [A] FR 449278 A 19130222 - LEON PAULET FILS [FR]
• [AD] EP 1785200 A1 20070516 - WAGENSVELD BV [NL]
• [A] US 3793424 A 19740219 - HAGA C

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Designated extension state (EPC)
AL BA RS

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DOCDB simple family (application)
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