

Title (en)  
Device for separating paper and cardboard

Title (de)  
Vorrichtung zum Trennen von Papier und Karton

Title (fr)  
Dispositif pour séparer le papier et le carton

Publication  
**EP 1785200 A1 20070516 (EN)**

Application  
**EP 06123788 A 20061109**

Priority  
NL 1030406 A 20051114

Abstract (en)  
The invention relates to a device for separating sheets of paper and cardboard, comprising a horizontal belt conveyor (13) with carriers (13,29) for conveying sheets of paper and/or cardboard, sorting tines (3) which are fixed in such a way that the sorting tines (3) move towards the belt conveyor (13), so that sheets of paper and/or cardboard resting on the carriers can be impaled upon the sorting tines (3), and removing means (5) for taking the sheets of paper and/or cardboard off the sorting tines (3). In the device according to the invention the sorting tines (3) are fixed on an inner drum (6) with a horizontal bottom axis of rotation (8) and the removal means (5) comprise an outer drum (5) placed around the inner drum (6), the outer drum (5) being rotatable about a top axis of rotation (7) which is off centre relative to the inner drum (6), and the inner drum (6) being provided with slotted holes (26) through which the sorting tines (3) project outside with varying lengths during rotation of the drums.

IPC 8 full level  
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CPC (source: EP)  
**B07B 13/003** (2013.01); **D21B 1/023** (2013.01); **D21B 1/028** (2013.01)

Citation (search report)  
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