

Title (en)  
A SORTING MACHINE

Title (de)  
SORTIERMASCHINE

Title (fr)  
MACHINE DE TRI

Publication  
**EP 4221903 A1 20230809 (EN)**

Application  
**EP 21786185 A 20210929**

Priority  
• DK PA202070668 A 20201001  
• EP 2021076791 W 20210929

Abstract (en)  
[origin: WO2022069543A1] A sorting machine for automatically sorting a plurality of postal items includes a plurality of sorting modules. Each sorting module includes an elevator assembly and an input conveyor. The sorting module has an elevator frame, an elevator cabin, a plurality of trays arranged inside the elevator cabin, and an elevator mechanism arranged to move the elevator cabin up and down. Each tray is adapted to have a first position and a second position, the first position being inside the elevator cabin and the second position being outside the elevator cabin. Moreover, the sorting machine transfers the postal item from the input conveyor to the tray by first moving the tray outside the elevator cabin to the second position, and subsequently simultaneously moving input conveyor and the tray in the same direction to allow a fall of postal item from the input conveyor to the tray.

IPC 8 full level  
**B07C 3/02** (2006.01)

CPC (source: EP)  
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Designated extension state (EPC)  
BA ME

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