

Title (en)

DEVICE FOR UNPILING RELATIVELY FLAT ARTICLES SUCH AS LETTERS OR MAIL ENVELOPES

Publication

EP 0295170 B1 19911211 (FR)

Application

EP 88401308 A 19880527

Priority

FR 8707527 A 19870527

Abstract (en)

[origin: US4867430A] A device for unstacking relatively flat objects such as letters or postal packets of various different lengths, widths, and thicknesses. The device includes: a conveyor for conveying stacks of objects as well as an object separating and grasping mechanism for separating and grasping the objects one-by-one, and a transport conveyor for transporting the objects one after another. The object separating and grasping mechanism has retainer and guide for retaining and guiding a stack of objects, for example a wall against which one of the edges of each object is pressed and object-grasping suction cup for engaging the first object of the stack as well as a displacement mechanism for displacing the cups initially in a first direction substantially perpendicular to the direction of stack advance and substantially parallel to the plane of the retainer and guide means, and then in a second direction which is substantially perpendicular to the movement of the first direction, in order to convey the object towards the transport conveyor.

IPC 1-7

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IPC 8 full level

B07C 1/02 (2006.01); **B65H 3/08** (2006.01); **B65H 5/08** (2006.01)

CPC (source: EP US)

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