

Title (en)  
PILING RACK FOR FLAT PARCELS

Title (de)  
STAPELFACH FÜR FLACHE SENDUNGEN

Title (fr)  
CASIER D'EMPILAGE POUR ENVOIS PLATS

Publication  
**EP 1053063 B1 20020410 (DE)**

Application  
**EP 99907251 A 19990119**

Priority  
• DE 9900117 W 19990119  
• DE 19805562 A 19980211

Abstract (en)  
[origin: DE19805562C1] The present invention relates to a piling rack for flat parcels which is open on one side for withdrawing piled parcels. The rack has a bottom (4) as well as an impact wall (7) inclined outwardly and turning inwardly relative to the cutting edge, wherein a side wall (5) is provided for orienting the piling bottom as well as the piling direction. The parcels are inserted through an adequate opening (1) towards the bottom. The piling bottom (4) is inclined relative to the parcel orientation upon insertion into the piling rack and relative to the impact wall (7) and the side wall (5). The piling rack comprises a lid (8) which is mounted and shaped so that its inner outline extends at least from a curved portion towards the piling bottom (4) below the upper limit of the parcel trajectory. The curve is designed so that when the piling rack is empty, the parcels fall onto the impact wall (7) in a lower region adjacent to the edge directed towards the piling bottom (4), at an angle of between 70 and 90 DEG relative to the upper surface of the parcels and so as to be parallel to said edge. After this curved area, the lid of the rack is curved from the piling bottom (4) so as to be brought into contact with the impact wall (7) within an interval relative to the piling bottom (4) which is smaller than the parcel with the smallest dimensions towards which it is oriented.

IPC 1-7  
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IPC 8 full level  
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