

Title (en)  
Equipment for feeding bales of chemical and mechanical pulp into a pulper

Title (de)  
Vorrichtung zur Zuführung von Halbstoffballen in einen Stofflöser

Title (fr)  
Dispositif d'alimentation de semi-pâte dans un pulpeur

Publication  
**EP 1431451 A1 20040623 (EN)**

Application  
**EP 03396114 A 20031219**

Priority  
FI 20022232 A 20021219

Abstract (en)  
The invention relates to an apparatus for feeding bales (1) of cellulosic and groundwood pulp sheets into a pulper (2). An essential part of the apparatus comprises a substantially horizontal conveyor (3) for receiving and transporting the bales. Situated along the travel path of the conveyor and located operable in a succession, are adapted a bale reshaping device (4) and a device (5) for stripping the strapping wires off from the bales. The bale reshaping device comprises two upright plates (6,7) located at the opposite sides of the conveyor in regard to the conveyor travel path and having a surface area substantially equal to the side surface area of the bales, of which plates at least one is adapted movable by a powered actuator means in a perpendicular direction to the conveyor travel direction. Both ones of the plates (6,7) in the bale reshaping device are provided with a plurality of fins (8) that are aligned parallel to the strapping wires and extend substantially from the middle region of the plate to one edge of the plate, which is parallel to the center line of the plate and is staggered in regard to the respective area of the opposite plate. <IMAGE>

IPC 1-7  
**D21B 1/02**

IPC 8 full level  
**D21B 1/02** (2006.01)

CPC (source: EP)  
**D21B 1/028** (2013.01)

Citation (search report)  
[A] GB 2184704 A 19870701 - VOITH GMBH J M

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1431451 A1 20040623**; FI 115517 B 20050531; FI 20022232 A0 20021219; FI 20022232 A 20040620

DOCDB simple family (application)  
**EP 03396114 A 20031219**; FI 20022232 A 20021219