

Title (en)

Device for overturning piles of sheet material

Title (de)

Vorrichtung zum Wenden von Stapeln von Bogenmaterial

Title (fr)

Dispositif pour retourner des piles de matériau en feuilles

Publication

EP 1350748 B1 20081015 (FR)

Application

EP 03003946 A 20030222

Priority

CH 5612002 A 20020403

Abstract (en)

[origin: EP1350748A2] The machine, consisting of a frame (1) with an inlet and outlet aligned with the trajectory of the stacks (6) of sheet material as they are turned, and a turning clamp (2) that pivots about a horizontal transverse axis (13), has two conveyors : a roller conveyor (10) to receive the incoming stacks, and a belt conveyor (11) to discharge them after turning. It also has a pressure mechanism (19) to hold the stacks between the two conveyors during the turning operation, and a pusher carriage (25) between the conveyors, connected to a drive (21).

IPC 8 full level

B31B 50/25 (2017.01); **B65H 15/02** (2006.01); **B65H 29/38** (2006.01)

CPC (source: EP KR US)

B31B 50/25 (2017.07 - KR); **B65H 15/016** (2020.08 - EP US); **B65H 15/02** (2013.01 - EP US); **B65H 2301/33214** (2013.01 - EP US); **B65H 2301/33224** (2013.01 - EP US)

Cited by

DE102010049376A1; DE102011113518A1; EP2570373A2; CN104773586A; US9782802B2; EP2570373A3; WO2014067848A3; WO2010057466A1; EP2447197A2; US9011074B2

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 SE SI SK TR

DOCDB simple family (publication)

EP 1350748 A2 20031008; EP 1350748 A3 20050302; EP 1350748 B1 20081015; AT E411248 T1 20081015; AU 2003203466 A1 20031023; BR 0300909 A 20040817; BR 0300909 B1 20110726; CA 2422993 A1 20031003; CA 2422993 C 20070828; CH 695266 A5 20060228; CN 1235784 C 20060111; CN 1448326 A 20031015; DE 60324054 D1 20081127; ES 2312674 T3 20090301; JP 2003306257 A 20031028; JP 3619233 B2 20050209; KR 100496746 B1 20050622; KR 20030079699 A 20031010; TW 200400149 A 20040101; TW I250117 B 20060301; US 2003188954 A1 20031009; US 6793454 B2 20040921

DOCDB simple family (application)

EP 03003946 A 20030222; AT 03003946 T 20030222; AU 2003203466 A 20030401; BR 0300909 A 20030331; CA 2422993 A 20030320; CH 5612002 A 20020403; CN 03121511 A 20030403; DE 60324054 T 20030222; ES 03003946 T 20030222; JP 2003100470 A 20030403; KR 20030019088 A 20030327; TW 92105316 A 20030312; US 40667803 A 20030403