

Title (en)
Vertical conveyor for sheets

Title (de)
Oberflurförderer für Bögen

Title (fr)
Convoyeur vertical pour feuilles

Publication
EP 1170231 A3 20030813 (DE)

Application
EP 01103030 A 20010209

Priority
IT MI20001055 A 20000512

Abstract (en)
[origin: US2001040333A1] Elevated conveyor for paper sheets, comprising a framework formed from two vertically arranged supports, it being the case that the vertical supports have horizontally spaced-apart bearing means which have rollers and guide arrangements for transporting belts, and the vertical supports of the transporting arrangement comprise profiles which have guide grooves in the form of dovetail grooves along the peripheral sides, it being the case that said grooves extend over the entire length of the support, and projecting from the circumference of the horizontally arranged bearing means are connecting plates which enclose two opposite sides of a support, and dovetail-form connecting tongues project from the plate surfaces which are directed toward the respective support, and said connecting tongues can be introduced into the grooves of the supports and are connected to the threaded part of a tightening screw which is fastened on the bearing plate.

IPC 1-7
B65H 5/02; **B65H 29/12**

IPC 8 full level
B65H 5/02 (2006.01)

CPC (source: EP US)
B65H 5/021 (2013.01 - EP US); **B65H 29/12** (2013.01 - EP US); **B65H 2301/3113** (2013.01 - EP US); **B65H 2301/3421** (2013.01 - EP US); **B65H 2402/10** (2013.01 - EP US); **B65H 2404/261** (2013.01 - EP US); **B65H 2801/21** (2013.01 - EP US)

Citation (search report)
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• [A] US 5562202 A 19961008 - NEWCOMB MICHAEL R [US], et al
• [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 432 (M - 763) 15 November 1988 (1988-11-15)
• [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 224 (M - 1596) 22 April 1994 (1994-04-22)

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FR2837807A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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US 2001040333 A1 20011115; **US 6527107 B2 20030304**; CA 2345888 A1 20011112; EP 1170231 A2 20020109; EP 1170231 A3 20030813; IT 1317533 B1 20030709; IT MI20001055 A0 20000512; IT MI20001055 A1 20011112

DOCDB simple family (application)
US 85236301 A 20010510; CA 2345888 A 20010501; EP 01103030 A 20010209; IT MI20001055 A 20000512