Title (en)
METHOD FOR TURNING A CONTINUOUS STREAM OF PAPER SHEETS INTO PACKETS

Publication
EP 0240691 B1 19900103 (DE)

Application
EP 87102755 A 19870226

Priority
CH 135986 A 19860407

Abstract (en)
[origin: EP0240691A1] 1. Process for the conversion of a continuous stream of sheets of paper (2) into packs (6) of the same or variable size, the sheets of paper (2) being placed one after the other with one edge onto a conveying plane and further transported on the conveying plane (13, 14) along a straight, first line of travel (5) and from the latter onto an adjoining second line of travel (23), the sheets of paper (2) being aligned along the first line of travel with their flat sides essentially perpendicular to the direction of conveyance and held compliantly at two edges along the first line of travel (5) and characterized in that the sheets of paper are placed onto the conveying plane (13, 14) with mutual spacing transported thereupon, in that a sheet of paper on the first line of conveyance is optionally accelerated in the direction of conveyance to a higher speed in such a way that it pushes any sheets (2) ahead of it on the first line of travel together and onto the second line of travel (23), the forwardmost sheet of a pack being retarded in the region of the second line of travel (23) by a flexible counterforce (21).

IPC 1-7
B65H 29/40; B65H 33/02; B65H 33/08

IPC 8 full level
B65H 15/00 (2006.01); **B65H 29/38** (2006.01); **B65H 29/40** (2006.01); **B65H 33/02** (2006.01); **B65H 33/08** (2006.01); **B65H 37/00** (2006.01)

CPC (source: EP US)
B65H 15/012 (2020.08 - EP US); **B65H 29/38** (2013.01 - EP US); **B65H 33/02** (2013.01 - EP); **B65H 37/00** (2013.01 - EP);
B65H 2301/321 (2013.01 - EP); B65H 2301/33212 (2013.01 - EP); B65H 2301/42146 (2013.01 - EP); B65H 2301/4422 (2013.01 - EP);
B65H 2404/3111 (2013.01 - EP)

Cited by
EP2399854A3; EP0819637A1; US5988352A; EP1122198A3; US7175382B2; WO0214196A1

Designated contracting state (EPC)
AT DE FR GB IT

DOCDB simple family (publication)
EP 0240691 A1 19871014; **EP 0240691 B1 19900103**; AT E49181 T1 19900115; CH 670810 A5 19890714; DE 3761303 D1 19900208

DOCDB simple family (application)
EP 87102755 A 19870226; AT 87102755 T 19870226; CH 135986 A 19860407; DE 3761303 T 19870226