

Title (en)

CROSS LOADING APPARATUS FOR USE WITH CARTONING SYSTEMS.

Title (de)

BESCHICKUNGSVORRICHTUNG ZUR VERWENDUNG IN KARTONIEREINRICHTUNGEN.

Title (fr)

APPAREIL DE CHARGEMENT CROISE DESTINE A ETRE UTILISE AVEC DES SYSTEMES D'ENCARTONNAGE.

Publication

EP 0632776 A1 19950111 (EN)

Application

EP 93909164 A 19930324

Priority

- US 9302764 W 19930324
- US 85645092 A 19920324
- US 2266193 A 19930301

Abstract (en)

[origin: WO9318968A1] An article group transfer apparatus constructed and arranged to move article groups into open ends of the carton sleeves. The apparatus (16) is incorporated in a continuous motion cartoner assembly for loading article groups (23) into cartons which comprises an article infeed mechanism (13, 14) supplying at least one stream of articles; an article group selection and transport mechanism (12) intersecting the article infeed mechanism to form and transport a longitudinal stream of article groups of a predetermined pattern; a carton supply and transport mechanism (11) synchronized and moving parallel with the article group selecting mechanism to provide cartons with open ends facing the moving article groups; and the article group transfer apparatus (16) which moves the article groups into the open ends of the carton sleeves.

IPC 1-7

B65B 5/06; **B65B 35/40**

IPC 8 full level

B65B 35/32 (2006.01); **B65B 5/06** (2006.01); **B65B 35/30** (2006.01); **B65B 35/40** (2006.01); **B65B 61/20** (2006.01)

CPC (source: EP)

B65B 35/405 (2013.01); **B65B 61/207** (2013.01)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9318968 A1 19930930; AT E153938 T1 19970615; AU 2853897 A 19970911; AU 3967493 A 19931021; AU 686536 B2 19980205; CA 2131102 A1 19930930; CA 2131102 C 20050104; DE 69311322 D1 19970710; DE 69311322 T2 19971023; EP 0632776 A1 19950111; EP 0632776 A4 19950201; EP 0632776 B1 19970604; ES 2102646 T3 19970801; GR 3024508 T3 19971128; JP 3347731 B2 20021120; JP H07507257 A 19950810

DOCDB simple family (application)

US 9302764 W 19930324; AT 93909164 T 19930324; AU 2853897 A 19970709; AU 3967493 A 19930324; CA 2131102 A 19930324; DE 69311322 T 19930324; EP 93909164 A 19930324; ES 93909164 T 19930324; GR 970402149 T 19970821; JP 51682693 A 19930324