

Title (en)
PACKAGING MACHINE

Publication
EP 0339756 B1 19911016 (EN)

Application
EP 89201610 A 19830711

Priority
• EP 89201610 A 19830711
• JP 12394082 A 19820715

Abstract (en)
[origin: EP0339756A2] The invention relates to a packaging machine comprising: a container transport conveyor having a plurality of container holders for retaining containers, each container holder being adapted to restrain containers retained therein from moving horizontally while permitting vertical movement of the containers retained therein; a closed main chamber enclosing the container transport conveyor in its entirety; a group of units, including at least a filling unit, a capping unit and a container discharge unit arranged in series on a top wall of the main chamber from a rear portion toward a front portion with respect to a running direction of the conveyor. At least one rail is disposed below and parallel with an upper part of travel of the container holder for supporting the bottoms of the containers retained by the container holders and for guiding the containers, said at least one rail being movable upwardly and downwardly by means of a rail lifting assembly.

IPC 1-7
B65B 31/02; **B65B 55/02**

IPC 8 full level
B65B 31/02 (2006.01); **B65B 55/02** (2006.01)

CPC (source: EP)
B65B 31/025 (2013.01); **B65B 55/027** (2013.01)

Cited by
US5673535A; USRE38747E; USRE37471E; WO9523738A1; WO9304930A1

Designated contracting state (EPC)
DE FR GB NL SE

DOCDB simple family (publication)
EP 0339756 A2 19891102; **EP 0339756 A3 19900418**; **EP 0339756 B1 19911016**

DOCDB simple family (application)
EP 89201610 A 19830711