

Title (en)
APPARATUS FOR SEALING CAPSULES

Publication
EP 0129130 A3 19850515 (EN)

Application
EP 84106344 A 19840604

Priority
US 50395083 A 19830613

Abstract (en)
[origin: EP0129130A2] An apparatus is disclosed for sealing capsules, of the type comprised of telescopically engaging capsule halves. The apparatus uses a longitudinally extended base with a movable conveyor mounted thereon. A capsule dispenser such as a hopper is located at the infeed end of the conveyor. A fluid applicator means is located downstream of the capsule dispenser and applies an adhesion-promoting fluid to the capsules. At least one capsule washing means located downstream of the fluid applying means, applies a washing fluid to the outer surfaces of the capsule to wash away excess adhesion-promoting fluid. The capsules are passed through a drying tunnel where excess washing fluid is evaporated from the outer surfaces of the capsules. A dielectric energy means is located downstream of the drying means, and participates in the sealing of the capsules by the application of dielectric energy to promote the bonding of the adjacent overlapping capsule walls. A collecting means is located downstream of the dielectric energy means, and at the discharge end of the conveyor, and receives the fully treated capsules. The apparatus may use one or two conveyors and can in all its embodiments attain capsule processing rates of up to 1 million capsules per hour.

IPC 1-7
A61J 3/07; **A61J 5/00**

IPC 8 full level
A61J 3/07 (2006.01)

CPC (source: EP)
A61J 3/072 (2013.01)

Citation (search report)
• US 1861047 A 19320531 - ARTHUR COLTON
• US 3394983 A 19680730 - MARTIN GREIF, et al
• EP 0127105 A2 19841205 - CAPSULBOND INC [US]
• EP 0116743 A1 19840829 - WARNER LAMBERT CO [US]
• EP 0116744 A1 19840829 - WARNER LAMBERT CO [US]

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0129130 A2 19841227; **EP 0129130 A3 19850515**; **EP 0129130 B1 19880224**; AT E32560 T1 19880315; CA 1260894 A 19890926; DE 3469408 D1 19880331; JP S6024845 A 19850207

DOCDB simple family (application)
EP 84106344 A 19840604; AT 84106344 T 19840604; CA 456169 A 19840608; DE 3469408 T 19840604; JP 12290084 A 19840613