

Title (en)
Wipe-on label applicator for fruit or vegetables and associated methods

Title (de)
Etikettiervorrichtung und Verfahren zum Etikettieren von Obst oder Gemüse

Title (fr)
Applicateur d'etiquette et procédé d'étiquetage des fruits ou des légumes

Publication
EP 1057731 A1 20001206 (EN)

Application
EP 00303776 A 20000505

Priority
US 31122799 A 19990513

Abstract (en)
A labeler (10) includes a frame (12), a label cassette (14) connected to the frame (12) for dispensing a label strip (16) including a carrier (30) and a plurality of labels (32) adhered thereon, a conveyor (22) for advancing articles such as fruit or vegetables (24) along a predetermined path of travel, a label applicator arm (18) pivotally connected to the frame (12) adjacent the label cassette (14), and a label feeder (20) for advancing the label strip along the label applicator arm (18) to a free end thereof. The label applicator arm (18) pivotally extends outwardly from the label cassette (14) along the predetermined path of travel so that the free end of the label applicator arm (18) contacts the articles (24). The label applicator arm (18) includes a V-shaped notch in the free end thereof, and a resilient roller (41) adjacent the V-shaped notch for pressing separated labels (32) onto the articles (24). The V-shaped notch separates the labels (32) from the carrier (30) to be applied to the articles (24) as the carrier (30) passes through the V-shaped notch and is divided into two waste portions (30a, 30b). The discarded carrier portions (30a, 30b) are withdrawn by the label feeder (20). The label applicator arm (18) includes at least one spring (71) for biasing the label applicator arm toward the conveyor, and a damper (73) for damping movement thereof. <IMAGE>

IPC 1-7
B65C 9/18; **B65C 9/42**

IPC 8 full level
B65C 9/18 (2006.01); **B65C 9/30** (2006.01); **B65C 9/42** (2006.01)

CPC (source: EP)
B65C 9/1869 (2013.01); **B65C 9/30** (2013.01); **B65C 9/42** (2013.01)

Citation (applicant)
• US 4217164 A 19800812 - LA MERS HERBERT [US]
• US 5829351 A 19981103 - ANDERSON DAVID N [US], et al
• US 5660676 A 19970826 - BROOKS ROBERT E [US]
• US 3793114 A 19740219 - THOMAS J
• US 4017350 A 19770412 - THOMAS JAMES ERNEST

Citation (search report)
• [Y] US 4896793 A 19900130 - BRIGGS PETER D S [GB], et al
• [YD] US 5660676 A 19970826 - BROOKS ROBERT E [US]
• [AD] EP 0879764 A1 19981125 - FMC CORP [US]
• [A] EP 0017858 A1 19801029 - HERMANN GMBH CO HEINRICH [DE]
• [A] GB 1371126 A 19741023 - METO GMBH KIND OSCAR & US 5829351 A 19981103 - ANDERSON DAVID N [US], et al

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