

Title (en)

METHOD AND DEVICE FOR BOTTLES IN A VERTICAL POSITION

Publication

**EP 0369838 B1 19920115 (FR)**

Application

**EP 89402880 A 19891018**

Priority

FR 8814151 A 19881028

Abstract (en)

[origin: EP0369838A1] The method and the device according to the invention permit the removal of a batch of bottles (3) arranged in parallel rows at the end of a conveyor (1) forming a removal station (10) and the setting down of this same batch on pallets (16) which are empty or already provided with bottom layers, the bottles having been placed in a quincuncial arrangement during the transfer. <IMAGE>

IPC 1-7

**B65B 21/20**

IPC 8 full level

**B65B 21/20** (2006.01)

CPC (source: EP)

**B65B 21/20** (2013.01)

Cited by

US9073222B2; US9296112B2; US9731913B2; US9809398B1; US10322888B2

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0369838 A1 19900523; EP 0369838 B1 19920115**; AT E71593 T1 19920215; DE 68900719 D1 19920227; ES 2030290 T3 19921016; FR 2638421 A1 19900504; FR 2638421 B1 19910111

DOCDB simple family (application)

**EP 89402880 A 19891018**; AT 89402880 T 19891018; DE 68900719 T 19891018; ES 89402880 T 19891018; FR 8814151 A 19881028