

Title (en)
An apparatus for drying bottles

Title (de)
Vorrichtung zum Trocknen von Flaschen

Title (fr)
Appareil pour sécher les bouteilles

Publication
EP 1498675 A1 20050119 (EN)

Application
EP 03425479 A 20030718

Priority
EP 03425479 A 20030718

Abstract (en)

An apparatus (1) for drying bottles (2) comprises a conveyor line (10) for transferring the bottles (2) through means (41) for drying the external surfaces of the bottles (2), while the bottles rotate about their axes. The drying means (41) comprise a pair of ducts (41) for forced air, which are downwards inclined in the advancing direction of the bottles (2) and are equipped with channels (47; 57; 67; 77) conveying the forced air towards air discharge holes (43; 53; 63; 73); said channels comprise a flared, funnel-shaped portion (472; 572; 672; 772) to convey air flowing in the respective duct (41) towards the associated discharge hole (43; 53; 63; 73). <IMAGE>

IPC 1-7
F26B 21/00; F26B 15/18; F26B 5/14

IPC 8 full level
F26B 5/14 (2006.01); **F26B 15/18** (2006.01); **F26B 21/00** (2006.01)

CPC (source: EP)
F26B 5/14 (2013.01); **F26B 15/18** (2013.01); **F26B 21/004** (2013.01)

Citation (search report)

- [DY] EP 1028300 A1 20000816 - CAMES SNC DI COLLA G & SARDI G [IT]
- [Y] US 4750277 A 19880614 - KUHL HENRY Y [US]
- [Y] GB 1024683 A 19660330 - HOLSTEIN & KAPPERT MASCHF
- [Y] FR 1477554 A 19670421 - CHELLE ETS
- [A] US 4852271 A 19890801 - HECKMAN RUSSELL W [US], et al
- [DA] FR 2660583 A1 19911011 - PLASTIMARNE SA [FR]
- [A] FR 2482576 A1 19811120 - GIAMELLO BRUNO [IT]
- [A] DE 1179178 B 19641008 - KRANTZ H FA

Cited by
CN112648802A; CN112033140A; CN106989586A; CN114001528A; DE102009052289A1; EP2072405A1

Designated contracting state (EPC)
DE ES FR IT

DOCDB simple family (publication)
EP 1498675 A1 20050119

DOCDB simple family (application)
EP 03425479 A 20030718