

Title (en)

IMPROVEMENTS FOR THE PRODUCTION OF MIXTURES IN PARTICULAR FOR AERATED BEVERAGES

Title (de)

VERBESSERUNGEN ZUR HERSTELLUNG VON MISCHUNGEN, INSBESONDERE ZUR HERSTELLUNG GASHALTIGER GETRÄNKE

Title (fr)

PERFECTIONNEMENTS APPORTES A LA REALISATION DE MELANGES NOTAMMENT POUR LA FABRICATION DE BOISSONS GAZEUSES

Publication

EP 1049530 A1 20001108 (FR)

Application

EP 98958970 A 19981207

Priority

- FR 9802647 W 19981207
- FR 9715714 A 19971211

Abstract (en)

[origin: FR2772367A1] The invention concerns a device for preparing homogeneous mixtures from constituents having different levels of viscosity, in particular for making beverages, characterised in that it consists in incorporating, on the feed line (12) of the bottling machine, between the feed pump (10) thereof, and the bottling machine, a saturating/blending dynamic loop (14), of reduced volume wherein the mixture continuously circulates the saturating/blending mixture, with reduced volume and comprising: a pump (20) receiving upstream the supplies of constituents (driving and driven products) to be mixed, said pump ensuring a minimal flow rate higher than the bottling machine flow rate and the circulation of the mixture in said dynamic loop (14); a holding loop (9) with capacity adapted to the flow rate and the manufactured product; and a separator (27) ensuring the output of the homogeneous mixture towards the bottling machine feed line (12).

IPC 1-7

B01F 3/04; A23L 2/54

IPC 8 full level

A23L 2/54 (2006.01)

CPC (source: EP US)

A23L 2/54 (2013.01 - EP US)

Citation (search report)

See references of WO 9929404A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

FR 2772367 A1 19990618; FR 2772367 B1 20000303; AR 017850 A1 20011024; AU 1492199 A 19990628; EP 1049530 A1 20001108; US 6439437 B1 20020827; WO 9929404 A1 19990617; ZA 9811289 B 19990614

DOCDB simple family (application)

FR 9715714 A 19971211; AR P980106320 A 19981211; AU 1492199 A 19981207; EP 98958970 A 19981207; FR 9802647 W 19981207; US 58131500 A 20000612; ZA 9811289 A 19981209