

Title (en)
MULTIPLE FLAVOR BEVERAGE DISPENSING AIR-MIX NOZZLE

Title (de)
ABGABEDÜSE MIT LUFTZUMISCHUNGFÜR GETRÄNKE MIT MEHREREN AROMAS

Title (fr)
BUSE A MELANGE D'AIR POUR LA DISTRIBUTEUR DE BOISSONS MULTI-PARFUM

Publication
EP 1117612 A4 20020502 (EN)

Application
EP 99941993 A 19990802

Priority

- US 9917481 W 19990802
- US 12824198 A 19980803
- US 21652798 A 19981218

Abstract (en)
[origin: WO0007928A1] In a beverage dispensing nozzle (10), a cap member (11) includes first, second and third beverage syrup inlet ports (21-23) coupled to respective first, second, and third beverage syrup sources. The cap member further includes a mixing fluid inlet port (27) coupled to a mixing fluid source. An inner housing (16) including a chamber (40) is coupled to the cap member. A first annulus (17) disposed within the chamber of the inner housing defines a first annular beverage syrup channel (54) with the inner housing, wherein the first beverage syrup inlet port communicates beverage syrup to the first annular beverage syrup channel. A second annulus (18) disposed within the chamber of the inner housing defines a second annular beverage syrup channel (58) with the first annulus. A third annulus (19) disposed within the chamber of the inner housing defines a third annular beverage syrup channel (64) with the second annulus.

IPC 1-7
B67D 1/00

IPC 8 full level
B67D 1/07 (2006.01); **A23L 2/00** (2006.01); **B67D 1/00** (2006.01); **B67D 7/74** (2010.01)

CPC (source: EP US)
B67D 1/0043 (2013.01 - EP US); **B67D 1/0044** (2013.01 - EP); **B67D 1/0051** (2013.01 - EP); **B67D 1/0052** (2013.01 - EP)

Citation (search report)

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- [Y] US 3277924 A 19661011 - NEZWORSKI JAMES E
- [X] US 5033651 A 19910723 - WHIGHAM ROGER C [US], et al
- [X] US 2537119 A 19510109 - BAUERLEIN CARL C, et al
- See references of WO 0007928A1

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EP2692907A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
WO 0007928 A1 20000217; AU 5546299 A 20000228; AU 744022 B2 20020214; BR 9912723 A 20010502; CA 2339361 A1 20000217; CA 2339361 C 20030708; CN 1294073 C 20070110; CN 1316973 A 20011010; DE 69934503 D1 20070201; DE 69934503 T2 20071004; EP 1117612 A1 20010725; EP 1117612 A4 20020502; EP 1117612 B1 20061220; ES 2277684 T3 20070716; JP 2002522308 A 20020723; JP 3711241 B2 20051102

DOCDB simple family (application)
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