

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

Title (de)  
ABGABEDÜSE MIT LUFTZUMISCHUNG FÜR GETRÄNKE MIT MEHREREN AROMAS

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

Publication  
**EP 1117612 A1 20010725 (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 5/56**

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)

Cited by  
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)  
**US 9917481 W 19990802**; AU 5546299 A 19990802; BR 9912723 A 19990802; CA 2339361 A 19990802; CN 99810490 A 19990802; DE 69934503 T 19990802; EP 99941993 A 19990802; ES 99941993 T 19990802; JP 2000563565 A 19990802