

Title (en)
Enhanced refrigerating carbonator for drinks

Title (de)
Verbesserter kühlender Karbonator für Getränke

Title (fr)
Carbonateur réfrigérant amélioré pour boissons

Publication
EP 1514836 A1 20050316 (EN)

Application
EP 03425595 A 20030915

Priority
EP 03425595 A 20030915

Abstract (en)
An enhanced carbonator for carbonating drinks, comprising a sealed container (2), provided at least with a first inlet (31) for supplying the drink to be carbonated, a second inlet (32) for supplying the gas, under a certain pressure, to be added to the drink and at least an outlet (33) of the carbonated drink, in correspondence with which is integrated a flow control unit (35) for regulating the flow of the carbonated drink. Inside the container is present a rotor (4) and outside actuator means (5), able to create a rotating magnetic field which remotely commands a continuous rotation of said rotor (4), the container (2) also comprise, in its interior, at least an evaporator (7) and a coil (8), immersed in the carbonated drink itself, able to create a substantially homogeneous cooling both of the carbonated drink and of at least any other drink which traverses the coil (8), thanks to the presence and to the activity of the rotor (4). <IMAGE>

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B67D 1/00; **B67D 1/08**

IPC 8 full level
B67D 1/00 (2006.01); **B67D 1/08** (2006.01)

CPC (source: EP)
B67D 1/0057 (2013.01); **B67D 1/0063** (2013.01); **B67D 1/0859** (2013.01)

Citation (search report)
• [YA] US 4011733 A 19770315 - KUCKENS ALEXANDER, et al
• [Y] EP 0919518 A2 19990602 - IMI CORNELIUS UK LTD [GB]
• [Y] EP 0301169 A1 19890201 - ISOWORTH LTD [GB]
• [A] GB 2383322 A 20030625 - IMI CORNELIUS [GB]
• [A] US 6517231 B1 20030211 - BIARDEAU OLIVIER [FR], et al
• [A] US 5190189 A 19930302 - ZIMMER ELVIS S [US], et al
• [A] DE 19742301 A1 19981112 - ASAL HANS [DE]

Cited by
EP1557220A3; US9856126B2; US9033315B2; US9381476B2; US9416340B2; US10093530B2

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