

Title (en)

APPARATUS AND METHOD FOR PRESERVING THE AROMA OF A FERMENTABLE BEVERAGE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR KONSERVIERUNG DES AROMAS EINES FERMENTIERBAREN GETRÄNKES

Title (fr)

APPAREIL ET PROCÉDÉ DE CONSERVATION DE L'ARÔME D'UNE BOISSON FERMENTESCIBLE

Publication

EP 3921403 A4 20221019 (EN)

Application

EP 20752750 A 20200131

Priority

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- CA 2020050115 W 20200131

Abstract (en)

[origin: WO2020160644A1] A fermentation apparatus and method for preserving the aroma of a fermentable beverage is provided. The fermentation apparatus comprises a flow passage fluidly connected to the headspace located above a fermentable beverage in a fermentation container. A rubbery membrane in the flow passage receives a gaseous headspace fluid comprising carbon dioxide gas and a first concentration of an aromatic fluid. The rubbery membrane strips a portion of the aromatic fluid from the gaseous headspace mixture thereby reducing a concentration of the aromatic fluid in the headspace mixture in the upstream portion of the flow passage. A first portion of the gaseous headspace mixture from the fermentation apparatus is discharged, the first portion having a second concentration of aromatic fluid less than the first concentration. Carbon dioxide is diffused from a second portion of the gaseous headspace mixture through the rubbery membrane, the diffused carbon dioxide gas entraining the aromatic fluid at the permeate side of the rubbery membrane. The flow passage directs the permeated modified fluid back to the headspace to at least partially retain the aromatic fluid in the fermentable beverage in the fermentation container.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [IY] WO 2014169378 A1 20141023 - JONES RICHARD L [CA]
- [Y] WO 2008099325 A2 20080821 - UNIV DO PORTO [PT], et al
- [Y] EP 2995366 A1 20160316 - KIM GWAN SHIG [KR], et al
- See references of WO 2020160644A1

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