

Title (en)

IMPROVED VAPORIZER, SYSTEM, AND METHOD FOR MANAGING CONCENTRATE USAGE

Title (de)

VERBESSERTER VERDAMPFER, SYSTEM UND VERFAHREN ZUR VERWALTUNG DER NUTZUNG VON KONZENTRATEN

Title (fr)

VAPORISATEUR AMÉLIORÉ, SYSTÈME, ET PROCÉDÉ PERMETTANT DE GÉRER L'UTILISATION D'UN CONCENTRÉ

Publication

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Application

EP 19788935 A 20190422

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Abstract (en)

[origin: WO2019204812A1] An improved vaporizer, system, and method for managing concentrate usage is disclosed. The vaporizer may comprise a housing to receive a cartridge configured to store a concentrate. The cartridge comprises a nozzle, at one end, with a smart chip for storing an identification code associated with the concentrate. The vaporizer, cartridge, system and method provides means for assuring accurate dosing and management of concentrate use and usage data collection.

IPC 8 full level

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Citation (search report)

- [YA] US 2017028178 A1 20170202 - SKODA BRENT M [US]
- [YA] GB 2524779 A 20151007 - CIGTRONICA LTD [GB]
- [YA] EP 2945667 A1 20151125 - CAREBAY EUROPE LTD [MT]
- [YA] US 2017304563 A1 20171026 - ADELSON ROBERT [CA]
- [YA] US 2016089508 A1 20160331 - SMITH CALEB [US], et al
- [YA] US 2017020191 A1 20170126 - LAMB WILSON CHRISTOPHER [US], et al
- [YA] US 2017014582 A1 20170119 - SKODA BRENT M [US]
- See references of WO 2019204812A1

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