

Title (en)
IMPROVED VAPING DEVICE AND DISPOSABLE CAPSULE FOR USE THEREOF

Title (de)
VERBESSERTE VAPING-VORRICHTUNG UND EINWEGKAPSEL ZUR VERWENDUNG DAFÜR

Title (fr)
DISPOSITIF DE VAPOTAGE AMÉLIORÉ ET CAPSULE JETABLE POUR SON UTILISATION

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Application
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Priority
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Abstract (en)
Present invention relates to a vaping device (100) comprising a housing having a holding end (HE) and a mouth end (ME), comprising a power supply section (220), a vaporizing section (240), a capsule storage portion (260), the power supply section (220) comprises an electrical power supply (222) and a controller (224), the controller (224) is configured to control the electrical connection from the power supply (222) to a heating or a fuelling element (242) in order to generate heat, the vaporizing section (240) comprises the heating or fuelling element (242), a liquid channel (244) and a vapour channel (246), the heating or fuelling element (242) is connected through the liquid channel (244) to one end of the capsule storage portion (260), the capsule storage portion (260) is capable of accepting a plurality of capsule (20) arranged next to each other, forming an interconnected capsule assembly, the vapour channel (246) comprises a vapour inlet and a vapour outlet, allowing vapour to be released from the vaping device, characterized in that at least one spring element (25) is provided to the capsule storage portion (260), slidable or movable along the capsule storage portion (260) in a longitudinal direction, wherein the spring element (25) is configured in such a way to be urged to a first position when no capsule (20) are being loaded in the capsule storage portion (260), and the spring element (25) is pushed to a second or further positions when one or more capsule (20) are being loaded to the capsule storage portion (260).

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Citation (applicant)
• CN 212437303 U 20210202 - SHENZHEN SKE TECH CO LTD
• US 2019239558 A1 20190808 - ONO HIROYOSHI [JP]

Citation (search report)
• [IY] KR 20160112770 A 20160928 - KT & G CORP [KR]
• [IY] WO 2021151826 A1 20210805 - PHILIP MORRIS PRODUCTS SA [CH]
• [Y] CN 106108112 B 20190219
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• [Y] WO 2017122196 A1 20170720 - SYQE MEDICAL LTD [IL]
• [Y] WO 2017167511 A1 20171005 - PHILIP MORRIS PRODUCTS SA [CH]
• [Y] EP 3656232 A1 20200527 - CHINA TOBACCO HUNAN IND CO LTD [CN]

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