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(54) Title: AKLALOID COMPOSITION FOR E-CIGARETTE

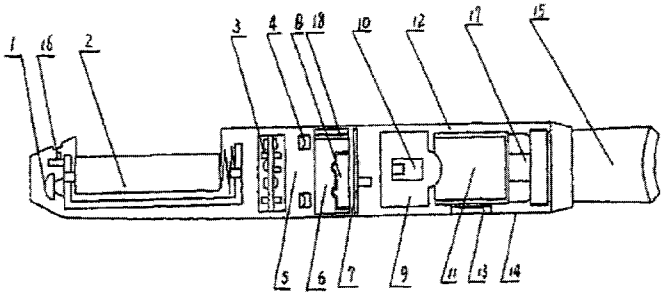


FIG. 1

(57) Abstract: An alkaloid composition for an e-cigarette contains a solvent and at least about 25 wt.% anatabine based on the total alkaloid weight of the composition. The alkaloid composition may be contained in a refilling cartridge for an e-cigarette, or in a container as part of a kit for refilling an e-cigarette. The alkaloid compositions disclosed herein feature a balanced form of alkaloids to provide an attractive alternative to smoking tobacco, in which nicotine makes up about 90 wt.% of the total alkaloid content. The alkaloid compositions are characterized by a significant quantity of anatabine, which has lower toxicity than other alkaloids such as nicotine. The alkaloid compositions enable individuals to experience the pleasure-enhancing attributes of conventional cigarette smoking, while avoiding exposure to combusted materials and other potentially hazardous components present in tobacco.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

A24B 15/24(2006.01)i, A24B 15/16(2006.01)i, A24D 1/14(2006.01)i, A24F 47/00(2006.01)i, A61M 15/06(2006.01)i

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A24B 15/24; A61K 9/68; A61K 31/445; A61K 35/78; A61P 25/34; A61K 31/44

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models
Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: anatabine, tabocco, non-tabacco

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002-0025300 A1 (PHILIP WOLFSON et al.) 28 February 2002 See abstract, paragraphs [0011][0014][0026], and claims 1-3	1-30
A	US 2010-0160376 A1 (THOMPSON MARSHALL ANLAUF) 24 June 2010 See abstract and claim 1	1-30
A	US 6552035 B2 (PARK HWA-MOK et al.) 22 April 2003 See abstract and claim 1	1-30

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
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Name and mailing address of the ISA/KR Korean Intellectual Property Office 189 Cheongsa-ro, Seo-gu, Daejeon Metropolitan City, 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer Kim Hong Rye Telephone No. 0424813363

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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