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[Continued on next page]

(54) Title: DISPENSER AND SHEET PRODUCT DISPENSING PLATE THEREFOR

(57) Abstract: A dispenser plate includes a plate member having an orifice centrally arranged in the plate member, the orifice including a central portion, a first channel portion having a first channel length extending radially from the central portion, and a second channel having a second channel length extending radially from the central portion, wherein the first channel length is greater than the second channel length.

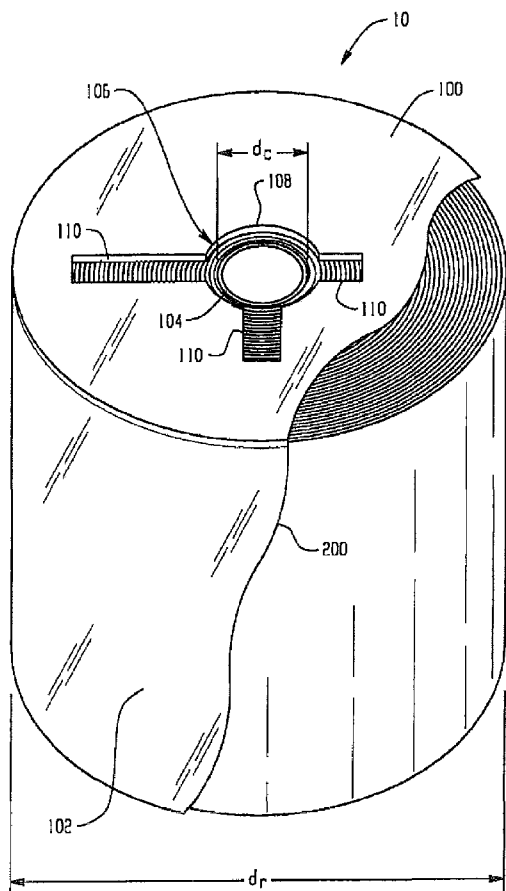


Fig. 1

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ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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INTERNATIONAL SEARCH REPORT

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PCT/US2011/042149**A. CLASSIFICATION OF SUBJECT MATTER***A47K 10/34(2006.01)i, A47K 10/22(2006.01)i, B65H 16/00(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A47K 10/34; A47K 10/36; A47K 10/38; A47K 10/24; B65H 1/00

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: dispenser, orifice, center-flow, and channel

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 04524895 A (LUNDEN, BERTIL) 25 June 1985 See abstract, and fig 9	1-20
A	JP 2000-513241 A (KIMBERLY CLARK LTD.) 10 October 2000 See claim 1, and figs 2-3	1-20
A	JP 2001-519188 A (KIMBERLY CLARK LTD.) 23 October 2001 See abstract, and figs 1,4	1-20
A	US 04905868 A (BEANE, STEPHEN B. et al.) 06 March 1990 See figs 1-4	1-20

 Further documents are listed in the continuation of Box C. See patent family annex.

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"P" document published prior to the international filing date but later than the priority date claimed

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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