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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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[Continued on next page]

(54) **Title**: CARTON WITH HANDLE AND DISPENSER

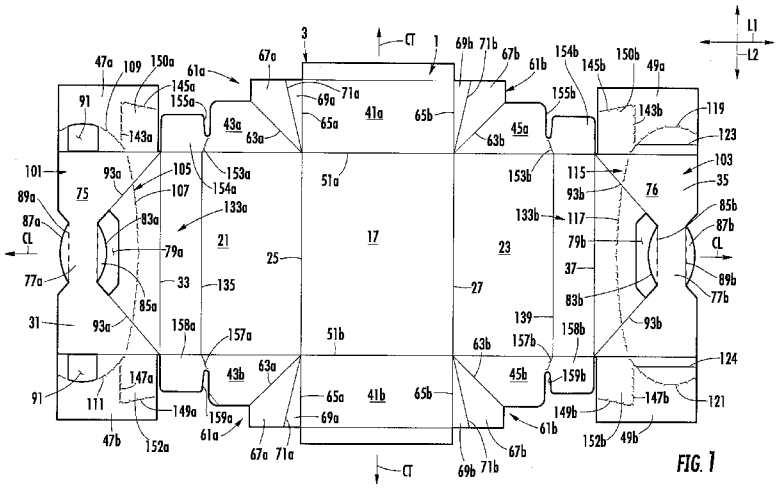


FIG. 1

(57) **Abstract**: A carton for containing a plurality of articles. The carton comprises a top panel, a first side panel, a second side panel, and a bottom panel. End flaps can be respectively foldably connected to respective panels and at least partially overlapped with respect to one another to thereby at least partially form a closed end of the carton. A dispenser panel can be at least partially defined by a dispenser tear line extending in at least the top panel and at least one of the end flaps. An opening section can be at least partially defined by the dispenser tear line and can be foldably connected to one of the first side panel and the second side panel. The dispenser panel is at least partially removable from the carton to create a dispenser opening, and the opening section is positionable relative the first side panel to expand the dispenser opening.

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A. CLASSIFICATION OF SUBJECT MATTER

B65D 71/12(2006.01)i, B65D 71/20(2006.01)i, B65D 5/70(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)
B65D 71/12; B65D 5/46; B65D 17/00; B65D 77/30; B65D 5/00; B65D 5/02; B65D 5/54

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: carton, panel

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2007-0181658 A1 (ROBERT L. SUTHERLAND) 09 August 2007 See paragraph [0017] - paragraph [0041], and figures 1-7.	1-52
A	JP 2007-055630 A (RENGO CO LTD) 08 March 2007 See paragraph [0001] - paragraph [0029], and figures 1-11.	1-52
A	JP 2010-149927 A (ASAHI PRINTING CO LTD) 08 July 2010 See paragraph [0001] - paragraph [0039], and figures 1-7.	1-52
A	JP 2006-111342 A (AOHATA CORP) 27 April 2006 See paragraph [0001] - paragraph [0018], and figures 1-3.	1-52
A	US 2007-0295790 A1 (MARK ZAMMIT et al.) 27 December 2007 See paragraph [0003] - paragraph [0031], and figures 1-5.	1-52

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

☒ See patent family annex.

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2007-0181658 A1	09.08.2007	AU 2007-212443 A1	16.08.2007
		AU 2007-212443 B2	10.03.2011
		CA 2641523 A1	16.08.2007
		CA 2641523 C	12.10.2010
		CN 101405199 A	08.04.2009
		CN 101405199 B	28.07.2010
		EP 1996482 A1	03.12.2008
		EP 1996482 B1	07.10.2009
		JP 04-814345 B2	02.09.2011
		JP 2009-525931 A	16.07.2009
		JP 4814345 B2	16.11.2011
		US 7806314 B2	05.10.2010
		WO 2007-092449 A1	16.08.2007
JP 2007-055630 A	08.03.2007	JP 4772422 B2	14.09.2011
JP 2010-149927 A	08.07.2010	None	
JP 2006-111342 A	27.04.2006	None	
US 2007-0295790 A1	27.12.2007	CA 2654734 A1	27.12.2007
		CA 2654734 C	17.04.2012
		EP 2032461 A1	11.03.2009
		US 7604157 B2	20.10.2009
		WO 2007-150013 A1	27.12.2007