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— *as to the identity of the inventor (Rule 4.17(i))*

— *of inventorship (Rule 4.17(iv))*

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(54) Title: AN ANTI-COUNTERFEIT PRINTED PACKAGING MATERIAL

(57) Abstract: The present invention provides a packaging material comprising a plurality of layers, said material having discernible indicia for authentication characterized by the presence of at least one predetermined anti-counterfeit feature at, at least one predetermined location in at least one predetermined visible layer. Also, provided in accordance with the present invention is a process for manufacturing said packaging material.

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INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

See extra sheet

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)

IPC: B44C/- B65D/-, B32B/- D21H/-

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

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

CNPAT,CNKI,WPI,EPODOC,CNTXT: anti w counterfeit, package+, layer?, material, image?, visib+, print+

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US2005/0257880A1 (HERRING, William A. et al.) 24 Nov. 2005 (24.11.2005) description paragraphs 1-4, 22-59, figs. 1-5	1-19
X	CN101565920A (SHENZHEN KAILICHENG IND. DEV. CO.) 28 Oct. 2009 (28.10.2009) description page 2, fig. 1	1-19
A	CN2897864Y (JIANG, Jingming et al.) 09 May 2007 (09.05.2007) the whole document	1-19
A	CN101059654A (SHANGHAI FUDAN TECHSUN NEW TEC. CO.) 24 Oct. 2007 (24.10.2007) the whole document	1-19
A	EP1832901A1 (CPFILMS INC.) 12 Sep. 2007 (12.09.2007) the whole document	1-19

☐ 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/CN The State Intellectual Property Office, the P.R.China 6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China 100088 Facsimile No. 86-10-62019451	Authorized officer CHEN, Minze Telephone No. (86-10)82245837

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INTERNATIONAL SEARCH REPORT
Information on patent family members

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Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
US2005/0257880A1	24.11.2005	US7544266B2	09.06.2009
		CA2567380A	01.12.2005
		AU2005245463A1	01.12.2005
		AU2005245463B	24.06.2010
		WO2005113256A2	01.12.2005
		MXPA06013451A	01.03.2007
		EP1768507A2	04.04.2007
		KR20070043717A	25.04.2007
		BRPI0510831A	27.11.2007
		CN101084124A	05.12.2007
		JP2008500212T	10.01.2008
		ZA200610271A	28.01.2009
		US2009314424A1	24.12.2009
CN101565920A	28.10.2009	None	
CN2897864Y	09.05.2007	None	
CN101059654A	24.10.2007	CN101059654B	19.05.2010
EP1832901A1	12.09.2007	None	

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