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[Continued on next page]

(54) Title: THIN FILM HIGH DEFINITION DIMENSIONAL IMAGE DISPLAY DEVICE AND METHODS OF MAKING SAME

Fig. 1A

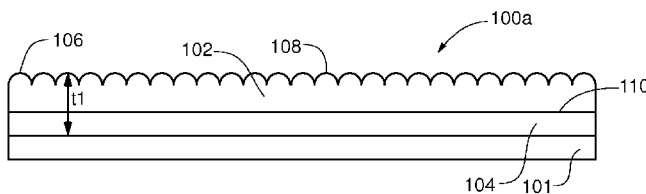


Fig. 1B

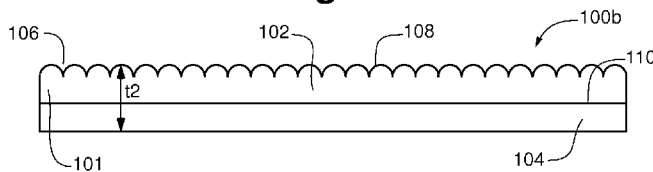
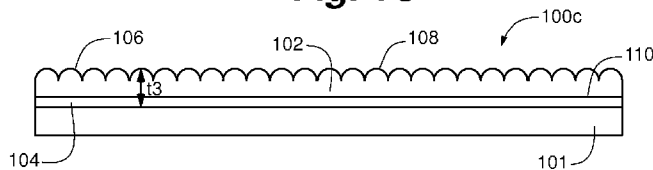
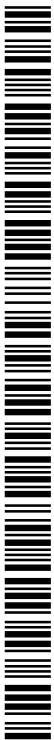


Fig. 1C



(57) Abstract: A high definition thin lens dimensional image display device and methods of manufacturing the same. The thin lens dimensional image display device generally includes a lens array on a first surface of a film, such as a lenticular lens array or a fly's eye lens array, with a printed image either printed directly on a second planar surface of the film, or on a separate substrate that is laminated thereto. The resulting display device offers a lower cost display device having greater flexibility for a wider variety of applications than traditional image display devices, without compromising image quality. Processes for manufacturing the display device include printing on a pre-fabricated thin lens web, inline printing of an image and patterning of the lens array, and inline printing of a substrate and application of a coating to the substrate which is subsequently patterned or embossed.



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B. FIELDS SEARCHED

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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

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

eKOMPASS (KIPO internal) & Keywords : lenticular lens, thin, thickenss, flexibility, printing, flexography, and similar terms.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6424467 B1 (GOGGINS, T. P.) 23 Jul. 2002 See abstract, claims 1-46, and figures 1-8	1-27
Y	US 2004-0136079 A1 (GOGGINS, T. P.) 15 Jul. 2004 See abstract, claims 1-61, and figures 1-10	1-27
Y	US 2006-0146410 A1 (KRAUSE, D. R.) 06 Jul. 2006 See abstract, claims 1-11, and figures 1-11	1-27
Y	WO 2000-063016 A1 (IMPACT CREATIVE TECHNOLOGIES, INC.) 26 Oct. 2000 See abstract, claims 1-11, and figures 1-4	1-27

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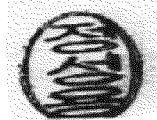
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