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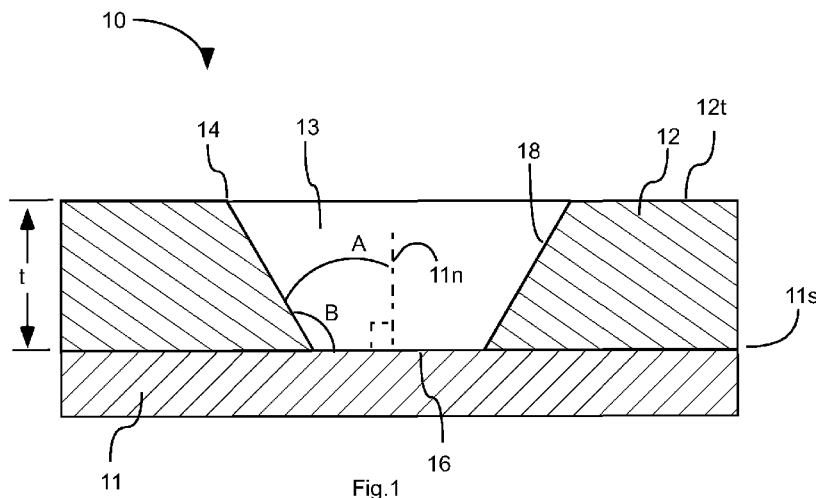
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(54) Title: SUB-WAVELENGTH METALLIC APERTURES AS LIGHT ENHANCEMENT DEVICES



(57) Abstract: Light enhancement devices (10), applications for the light enhancement devices (10), and methods for making the light enhancement devices are provided. The light enhancement devices (10) include a substrate (11) and a film of metal (12) disposed over the substrate (11), the film of metal (12) including at least one cavity (13). The cavity (13) may be of various shapes depending on the desired application.

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**A. CLASSIFICATION OF SUBJECT MATTER***G02B 5/00(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)

G02B 5/00; H01J 3/14; H01J 5/16

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

(Chinese Patents and application for patent)

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

eKOMPASS(KIPO internal) &amp; Keywords: ltght, enhancement, aperture

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6649901 B2 (THIO; TINEKE et al.) 18 November 2003 See abstract, column 6, lines 15-20, figures 1, 5A-5D	1-22
A	US 6285020 B1 (KIM; TAE JIN et al.) 04 September 2001 See abstract, figure 1	1-22
A	US 5973316 A1 (EBBESEN; THOMAS W. et al.) 26 October 1999 See abstract, figures 1, 6	1-22

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

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

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

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"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

"&amp;" document member of the same patent family

Date of the actual completion of the international search

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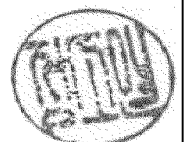
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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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**PCT/US2009/062080**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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