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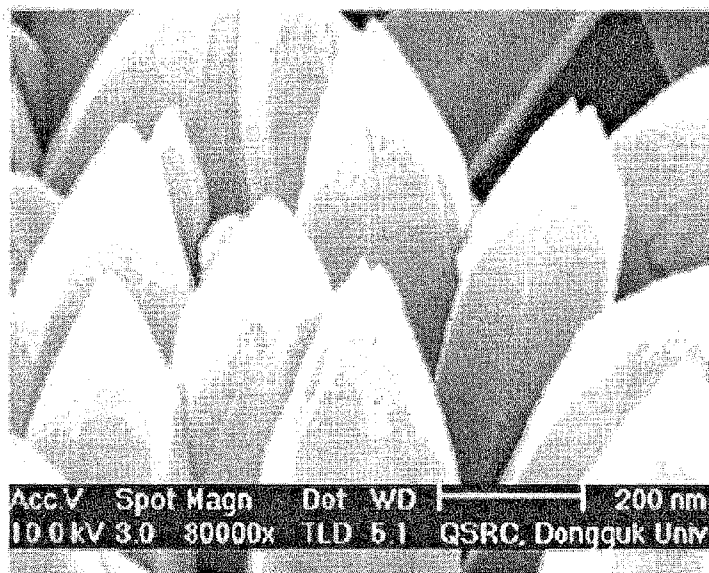
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[Continued on next page]

(54) Title: NANOSTRUCTURE, A METHOD FOR FABRICATING THE SAME, AND FED, BLU AND FE TYPE LAMP WITH THE NANOSTRUCTURE

Fig. 5



(57) Abstract: Disclosed are a nanostructure, a method of fabricating the same, and field emission devices with the same, such as a field emission display device, a back light unit, and a field emission type lamp. The growth and shape of the nanostructure can be controlled by forming a ZnO nanostructure on a large area glass substrate by non-catalyst electrodeposition.

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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)

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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 application for Utility Models since 1975

Japanese Utility Models and application for Utility Models since 1975

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

eKIPASS(KIPO internal) & keywords: "nanostructure", "nanorod", "ZnO", "Electrodeposition"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Y. Tang et al., Electrodeposition of ZnO nanotube arrays on TCO glass substrates, Electrochemistry Communications, October 2006, Vol.9, pages 289-292 see whole document	1-15
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Y	T. Yoshida et al., Mechanism of cathodic electrodeposition of zinc oxide thin films from aqueous zinc nitrate baths, Thin Solid Films, December 2004, Vol.451-452, pages 166-169 see whole document	1-15
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A	G. Li et al., Electrochemical synthesis of orientation-ordered ZnO nanorod bundles, Electrochemistry Communications, January 2007, Vol.9, pages 863-868 see whole document	1-15
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A	Z.Z. Ye et al., ZnO nanorods with different morphologies and their field emission properties, Solid State Communications, March 2007, Vol.142, pages 425-428 see whole document	1-15
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A	US 2007-0029911 A1 (H. D. Hudspeth et al.) 2007. 02.08. see figures 9-11 and their corresponding descriptions.	1-15



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

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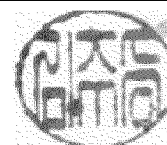
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