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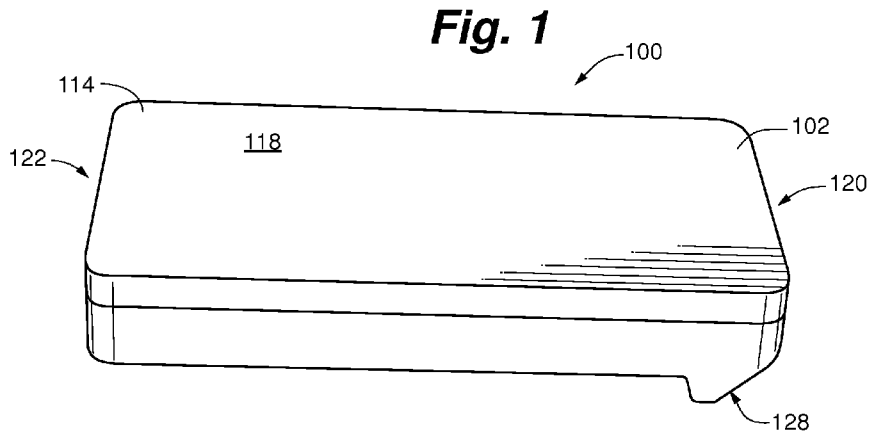
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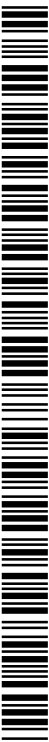
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(54) Title: SURFACE-INDEPENDENT BODY MOUNT CONFORMAL ANTENNA



(57) Abstract: A surface-independent antenna that operates consistently and independently of a material of its mounting surface. The antenna includes a ground plane having an outer perimeter, an antenna element having a floating portion and a non-floating portion. The non-floating portion is affixed in a generally parallel orientation above an end of the ground plane, and the floating portion extends beyond the outer perimeter of the ground plane. The antenna also includes a housing including a top portion and a bottom portion, the housing sized to generally encapsulate the ground plane and the antenna element.



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A. CLASSIFICATION OF SUBJECT MATTER**H01Q 1/12(2006.01)i, H01Q 1/46(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)

H01Q 1/12; H01Q 1/38; H01Q 13/08; H01Q 9/40; H01Q 1/36; H01Q 1/24

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: antenna, ground plane, housing

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2006-0145923 A1 (MARKO AUTTI) 06 July 2006 See abstract, figures 2a-d and corresponding detailed description	1-17
Y	JP 2005-117082 A (TAMURA SEISAKUSHO CO., LTD.) 28 April 2005 See figures 1,7,8 and corresponding detailed description	1-17
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A	KR 10-2007-0018511 A (SAMSUNG ELECTRONICS CO., LTD.) 14 February 2007 See figures 1,2	1-17

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

* Special categories of cited documents:

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Date of the actual completion of the international search

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