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SE]; Nya Vattentornet, S-221 88 Lund (SE).(81) Designated States (unless otherwise indicated, for every
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(54) Title: WIDEBAND ANTENNA

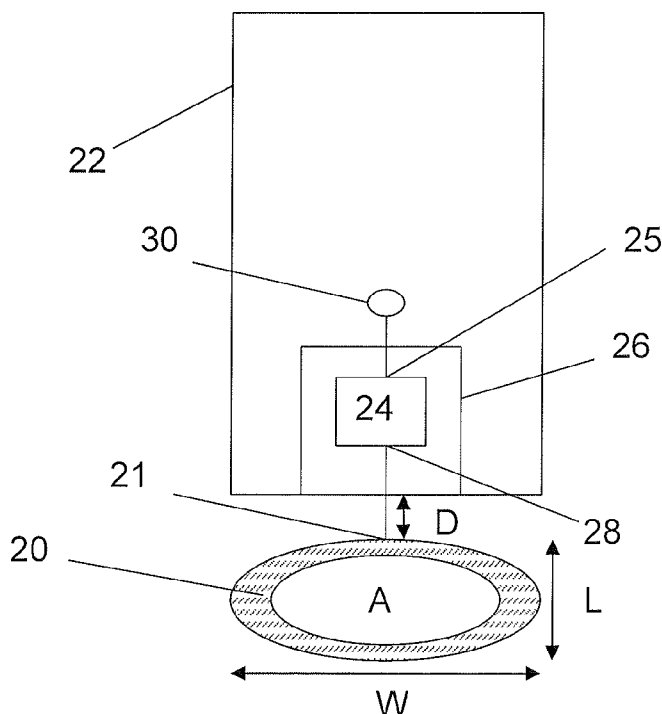


FIG. 2

(57) Abstract: The present invention relates to an antenna arrangement for a portable communication device as well as to such a portable communication device comprising such an antenna arrangement. The antenna arrangement includes at least one first loop antenna element (20) provided in a loop structure. The loop structure includes at least one section shaped as a loop and each loop antenna element in the loop structure has only one connection point (21) to be connected to a signal connection point of a radio circuit. The antenna arrangement also includes a planar antenna element (30) for connection to a grounding connection point of the radio circuit. The loop structure is displaced from the planar antenna element in the plane in which this planar antenna element is provided.



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A. CLASSIFICATION OF SUBJECT MATTER

INV. H01Q1/24 H01Q5/00 H01Q7/00 H01Q9/40 H01Q9/42

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

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

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	the whole document	6-11
Y	SONG C T P ET AL: "Multi-circular loop monopole antenna" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 36, no. 5, 2 March 2000 (2000-03-02), pages 391-393, XP006014920 ISSN: 0013-5194 abstract; figure 1 ----- -/--	6-11



Further documents are listed in the continuation of Box C.



See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 6 225 952 B1 (HARANO NOBUYA [JP]) 1 May 2001 (2001-05-01) abstract; figure 1 -----	3

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Information on patent family members

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