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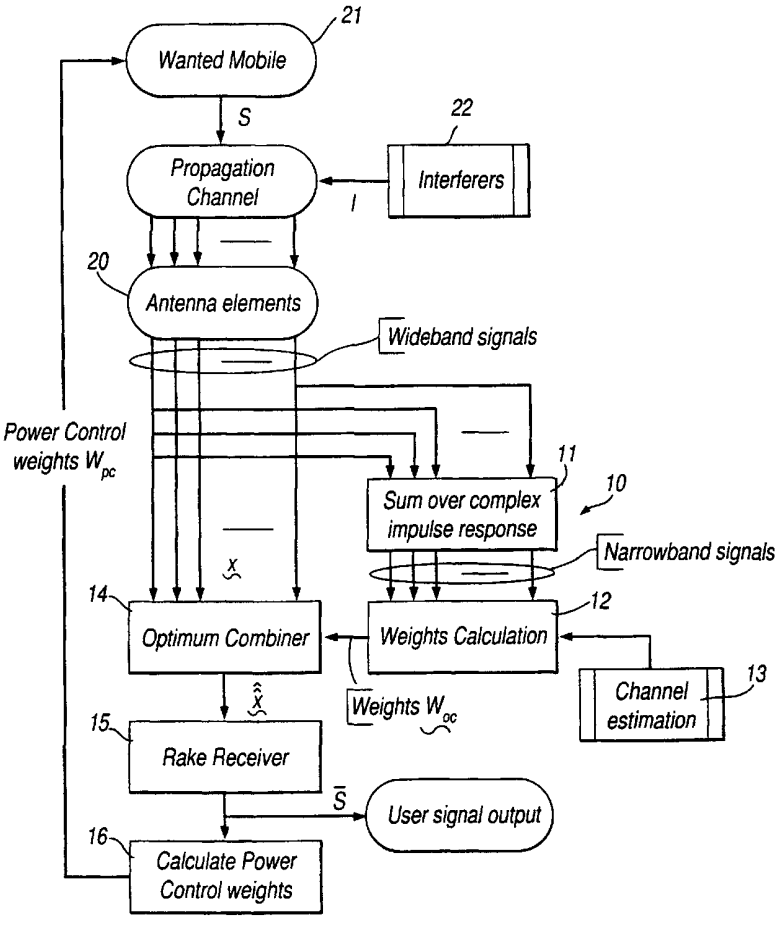
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[Continued on next page]

(54) Title: ANTENNA COMBINERS



(57) Abstract: An antenna combiner for combining wideband antenna signals produced by a plurality of antenna elements of an adaptive antenna. The combiner includes a narrowband combiner which is used to derive weights from the wideband antenna signals. These weights are applied to the wideband antenna signals and the weighted signals are combined to form a composite signal.

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IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

Int ·ational Application No
PC·/GB 01/02722

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B7/08

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)
IPC 7 H04B

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, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 5 787 131 A (BOTTOMLEY GREGORY E) 28 July 1998 (1998-07-28) abstract column 2, line 17 -column 4, line 59; figures 1-3	1,2,9, 11,12 4
Y	WO 99 27659 A (ERICSSON TELEFON AB L M) 3 June 1999 (1999-06-03) page 11, line 21-27; figure 3	4
A	EP 0 449 327 A (NIPPON ELECTRIC CO) 2 October 1991 (1991-10-02) abstract column 3, line 50 -column 4, line 43; figures 1,2	1-3,9, 11,12

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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

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Date of the actual completion of the international search	Date of mailing of the international search report
9 October 2001	19/12/2001

Name and mailing address of the ISA	Authorized officer
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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 10

Claim 10 contains only a reference to the drawings . According to Rule 6.2(a) PCT, claims should not contain such reference except where absolutely necessary, which is not the case here.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

Information on patent family members

Int ational Application No
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