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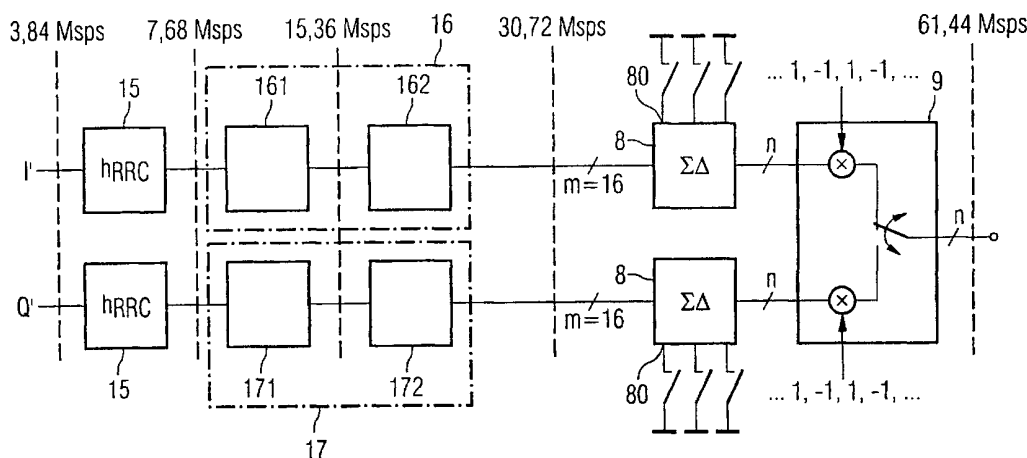
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(54) Title: COMMUNICATION DEVICE WITH CONFIGURABLE SIGMA-DELTA MODULATOR



(57) Abstract: In up-to date communication devices an intermediate frequency signal is generated at first in a digital way and than is converted to an analogue signal by a digital-to-analogue converter (10). In order to offer a greater flexibility in choosing a particular digital-to-analogue converter (10) the invention proposes to use sigma-delta modulators (8), the output bit width (n) of which is arranged to be configurable. The advantage of providing sigma-delta modulators with a configurable output bit width is that by this the output bit width of the interpolation filters can be easily adapted to the input bit width of a choosen digital-to-analogue converter without the need to change the internal design of a baseband processing circuit.

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INTERNATIONAL SEARCH REPORT

Intr ional Application No

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03M7/00

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 H03M H04M H04L

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, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98 20657 A (AARSKOG ALV I ;NERA ASA (NO); RIMSTAD KNUT (NO)) 14 May 1998 (1998-05-14) cited in the application abstract; claim 1; figures 1,2 page 4, line 38 -page 5, line 7 page 5, line 33 - line 39 page 8, line 23 -page 9, line 10 page 9, line 23 -page 10, line 32 -----	1,5,10
A	EP 0 757 446 A (NOKIA MOBILE PHONES LTD) 5 February 1997 (1997-02-05) abstract; claims 6,7; figures 3,4 column 5, line 1 - line 34 -----	1,5,10



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Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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