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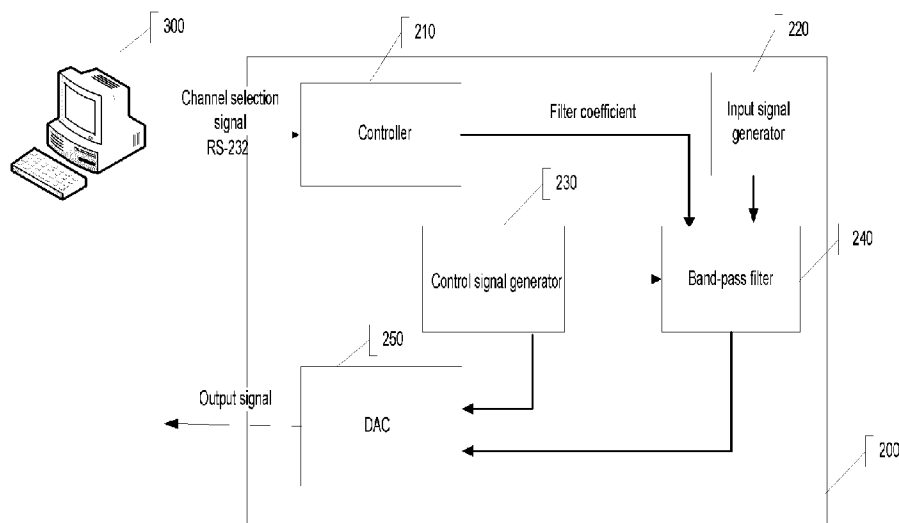
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(54) Title: MULTI-FA PROCESSING SYSTEM AND ITS DIGITAL BAND-PASS FILTERING METHOD



(57) Abstract: A multi-channel processing system for selectively generating and transmitting/receiving a desired channel (FA: Frequency Assignment) signal and a band-pass filtering method thereof are provided. The multi-channel processing system includes a controller (210) for receiving a channel selection signal including ON/OFF information of the respective channels and generating a filter coefficient corresponding to the channel selection signal; an input signal generator (220) for generating an input signal; and a band-pass filter (240) for changing a predetermined filter coefficient according to the filter coefficient generated by the controller (210) and filtering the input signal from the input signal generator (220). Accordingly, since the controller (210) can change the filter coefficient of the band-pass filter (240) and selectively generate a channel, an efficient and simple multi-channel processing system using one band-pass filter (240) regardless of the number of generated channels may be provided.



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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC <sup>8</sup> : <b>H04B 1/40</b> (2006.01); <b>H04L 27/26</b> (2006.01); <b>H04J 13/00</b> (2006.01) According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC <sup>8</sup> : H04B, 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 practicable, search terms used) EPODOC, WPI, NPL		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 819 706 B1 (Lim) 16 November 2004 (16.11.2004) <i>Whole document</i>	1 - 9
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A	US 2005/181830 A1 (Lee) 18 August 2005 (18.08.2005) <i>Abstract, paragraphs 0037 - 0054</i>	1 - 9
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A	KR 2001/0009612 A (KIM SUN GU) 18 October 2001 (18.10.2001) <i>English abstract</i>	1 - 9
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<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
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Name and mailing address of the ISA/ AT <b>Austrian Patent Office</b> Dresdner Straße 87, A-1200 Vienna Facsimile No. +43 / 1 / 534 24 / 535		Authorized officer <b>ERDÖS György</b> Telephone No. +36 / 1 / 474-5918

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Information on patent family members

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