Title: BACKWARDS-COMPATIBLE FREQUENCY TRANSLATION MODULE FOR SATELLITE VIDEO DELIVERY

Abstract: A frequency translation module for delivering satellite signals to Integrated Receiver Decoders (IRDs). The module comprises at least one input for receiving polarized satellite signals, wherein at least one input is coupled to at least one low noise block amplifier (LNB), at least one legacy output, the legacy output coupled to the input through a multiswitch, wherein each legacy output selects a polarization of a satellite signal based on a Legacy IRD command directly to the multiswitch, and at least one combined output, the combined output coupled to the multiswitch through an interface, wherein at least one new IRD selectively commands the frequency translation module such that each new IRD receives a portion of a satellite signal based on commands received from each IRD.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8): H04N 7/20 (2007.01)
USPC: 725/63
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(8): H04N 7/20 (2007.01)
USPC: 725/63

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 348/E7.093; 725/63 (text search)

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EAST(USPTO,PGP,PPO,EP,JP,DERWENT); DialogPRO(Engineering); Google Search terms: integrate, converting, combining, interfacing, adapting, legacy, incompatible, third-party, backward compatible, inc, noise block, inc, satellite dish, infr, (c k l) band, satellite, sat, satcom

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>US 2004/0161031 A1 (KWEENUS et al.) 19 August 2004 (19.08.2004), fig 1–3, 7a; para [0006]; [0007]; [0015]; [0029]; [0039]; [0045]; [0051]; [0054]; [0056]; [0063]; [0064]; [0066]; [0069]; [0077]; [0079]; [0082]; [0091].</td>
<td>1-20</td>
</tr>
<tr>
<td>A</td>
<td>US 6,622,307 B1 (HO) 16 September 2003 (16.09.2003), fig 10, col 12-14.</td>
<td>1, 2, 8, 10, 12, 16, 19</td>
</tr>
</tbody>
</table>

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

- 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
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  - "&" document member of the same patent family

Date of the actual completion of the international search
07 June 2007 (07.06.2007)

Date of mailing of the international search report
17 AUG 2007

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Authorized officer:
Lee W. Young
PCT Helpdesk: 571-272-4300
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