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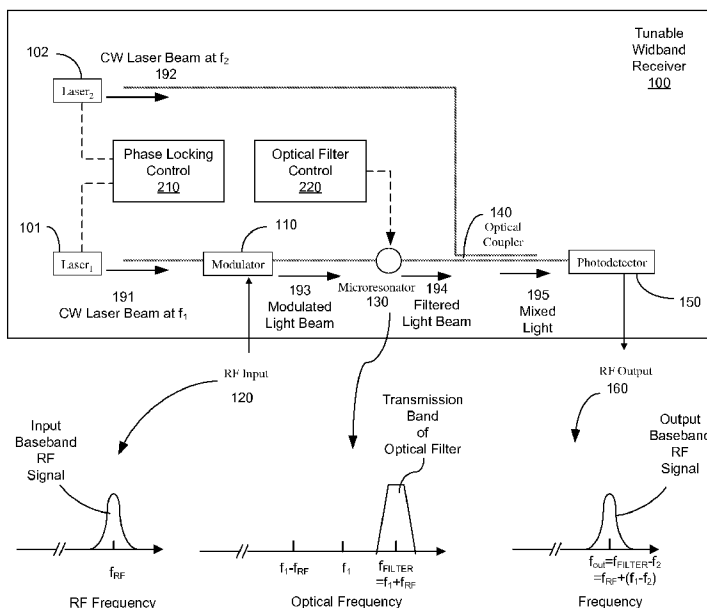
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(54) Title: WIDEBAND RECEIVER BASED ON PHOTONICS TECHNOLOGY



(57) Abstract: Tunable receivers and techniques for receiving an electrical oscillator signal in the RF, microwave or millimeter spectral range based on phototonics technology to use both (1) phototonic or optical components and (2) electrical circuit components.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/77476

A. CLASSIFICATION OF SUBJECT MATTER

IPC: H04B 10/00(2006.01)

USPC: Please See Continuation Sheet

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)

U.S. : Please See Continuation Sheet

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST, WEST, RF, laser, filter, detector, phase locking

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y, E	US 7,379,672 B2 (WANG et al) 27 May 2008, Figures 1 and 6, col. 2, lines 35-67, col. 3, lines 1-67 and col. 4, lines 1-67.	1-25
Y	US 6,459,519 B1 (SASAI et al) 01 October 2002, Figure 1, col. 17, lines 60-67 and col. 18, lines 1-67.	1-25

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

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"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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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 1:

398/115, 82, 182, 183, 79, 90, 91, 93, 95, 154, 155, 202, 193, 194, 195, 196, 197, 118; 372/18, 32, 20, 28, 29.01; 385/2, 3, 5, 8, 9, 15, 27, 31

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