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Subject Coverage

JAPIO covers patents in four major fields:
- **MECHANICAL** (tools, vehicles, machines, engines, components)
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- **ELECTRICAL** (semiconductors, circuitry, electric machines, communications, radiation technology)
- **PHYSICAL** (computing, information storage, measuring and testing, photography, optics)

Date Coverage
1976–present

Update Frequency
Monthly

Geographic Coverage
International

Document Types
Patents

Publisher

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Notes:

Field codes may be used in searches entered on the Basic Search, Advanced Search and Command Line Search pages. The tools available for searching are *Search Fields*, *Limit Options*, *Browse Fields*, *"Narrow Results By" Limiters*, *Look Up Patent*, and *Sources*. Each is listed separately below. Some data can be searched using more than one tool.

TI

PARTIALLY COMPLEX MODULATED FILTER BANK

INV, PA
PBC, PN[1], PD

EKSTRAND PER; VILLEMOES LARS; PURNHAGEN HEIKO (Inventors). DOLBY INTERNATL AB (Assignee). **JP 2011102981 A**. (Published 26 May 2011).
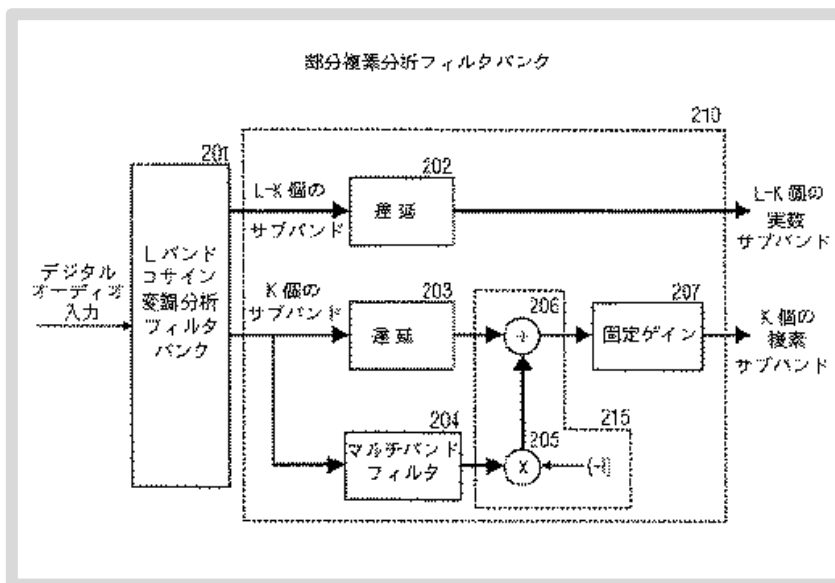
Bibliographic information

Abstract (summary) Translate

AB

PROBLEM TO BE SOLVED: To provide an efficient concept for providing a signal allowing a manipulation with high quality and an efficient concept for reducing a signal in a state of less distortions.

SOLUTION: This invention relates to an apparatus 210 for processing a plurality of real-valued subband signals using a first real-valued subband signal and a second real-valued subband signal to provide at least a complex-valued subband signal. The apparatus comprises a multiband filter 204 for providing an intermediate real-valued subband signal, a calculator 215 for providing the complex-valued subband signal by combining a real-valued subband signal from the plurality of real-valued subband signals and the intermediate subband signal, and a delayer 203 for delaying the real-valued subband signal to supply the delayed real-valued subband signal to the calculator 215.

Indexing (details) Cite

PA	**Assignee**	DOLBY INTERNATL AB
INV	**Inventor**	EKSTRAND PER
		VILLEMOES LARS
		PURNHAGEN HEIKO
PC, PN[1], PD	**Publication number**	JP 2011102981 A (26 May 2011)
APC, APN[1], APD	**Application number**	JP 2010254493 (15 November 2010)
PPC, PRN[1], PRD	**Priority number**	SE 20052049 · (16 September 2005)
		US 2006463263 · (08 August 2006)

IPC	**IPC classification**		Version 8: G10L 19/02 (main); H03H 17/00; H03H 17/02; H03M 7/30						

Fewer details ▲
IPC version 8:

Class code	Level	Value	Position	Status	Version	Action	Source	Office
G10L 19/02	A	I	F	B	20060101	20110428	H	JP
H03H 17/00	A	I	L	B	20060101	20110428	H	JP
H03H 17/02	A	I	L	B	20060101	20110428	H	JP
H03M 7/30	A	I	L	B	20060101	20110428	H	JP

	Source attribution	Patent Abstracts of Japan, A© Publisher specific
AN	**Accession number**	JP2011102981A
	Document URL	http://2013r2nightly.aa1.proquest.com/professional/docview /18854600?accountid=91509
FAV	**First available**	2012-11-01
UD	**Updates**	2012-11-01 2013-06-28 2013-07-02 2013-07-02 2013-07-05 2013-07-05
PUB	**Database**	JAPIO - Patent Abstracts of Japan (1988 - current)

SEARCH FIELDS

Field Name	Field Code	Example	Description and Notes
Abstract	AB	ab("multiband filter*")	Use adjacency and/or Boolean operators to narrow search results.
Abstract present	ABANY	abany(yes)	Add: *AND ABANY(YES)* to a query to limit retrieval to records with abstracts.
Accession number	AN	an(JP2011102981A)	A unique document identification number assigned by the information provider.
All fields	ALL	all(int*)	Searches all fields *except* the full text in full-text databases. Use proximity and/or Boolean operators to narrow search results.
All fields + text		Int*	Searches all fields including the full text in full-text databases.
Any number	PNUM	pnum(jp 2011102981 a) pnum(2011102981) pnum(	Includes publication, application, and priority application number. Enhanced/variant forms of the number are also searchable.
Application country	APC	apc(jp)	Includes application and priority application country
Application date	APD	apd(20101115) apd(201011) apd(2010)	Searches the main application date.
Application dates – all	APDA	apda(200509)	Includes application and priority application dates.
Application number	APN	apn(JP2010254493)	Searches the main application number.
Application numbers – all	APNA	apna(JP 2010254493 and se 20052049)	Includes application and, priority application numbers.
Author	AU	au(villemoes lars)	Author names in patent databases are inventors but g the AU field code.
Classification – IPC	IPC	ipc(H03H 17/02) ipc(H03H 17)	International Patent Class codes. Versions 1-7 and Version 8 are included.

Field Name	Field Code	Example	Description and Notes
		ipc(H03H) ipc(H03) ipc(H)	
Company information	CO	co(dolby)	Includes assignee or applicant
First available	FAV	fav(2012-11-01) fav(20121101)	Indicates the first time a document was loaded in a specific database. It will not change however many times the record is subsequently reloaded.
From database [2]	FDB	filter and fdb(japio)	Useful in multi-database searches to isolate records from a single database. FDB cannot be searched on its own; specify at least one search term then AND it with FDB.
Image present	IMGANY	imgany(yes)	Add: *AND IMGANY(YES)* to a query to limit your search to documents with an image.
Inventor	INV	inv(villemoes lars)	Inventor names are also searchable using the AU field code.
Language	LN	sl(english)	All JAPIO records are in English
Language of abstract	SL	sl(english)	
Patent assignee	PA	pa(dolby int*	Includes assignee and assignee code.
Patent publication country	PBC	pbc(jp)	Searches the 2-letter ISO standard country code for the main patent publication country.
Patent publication country and kind code	KC	kc(jp a) kc(jp)	The kind code indicates the publication level of a patent document. All JAPIO records are kind A.
Patent publication date	PD	pd(20110526) pd(201105) pd(>=2011)	Searches the main publication date. Also searchable via the Look Up Patent tool.
Patent publication number	PN	pn(JP2011102981)	Searches only the main publication number.
Patent title	TI	ti("complex modulated filter")	Includes patent title in English
Priority application country	PPC	ppc(us or se)	The 2-letter ISO-standard country code associated with the priority application number.
Priority application date	PRD	prd(20060808) ppc(se) lnk prd(20050916)	Searches the 8-digit date assigned to a priority application number
Priority application number	PRN	prn(us 2006463263)	The priority application number is the number assigned to the original or first application.
Publication title	PUB	pub(japio)	In a patent database, the publication title is generally the database name.
Publication type	PT	pt(government)	The only publication type in JAPIO is "Government & Official Publications".
Updates	UD	ud(20130705)	The date(s) the record was loaded as a result of an update provided by the supplier.

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Limit options are quick and easy ways of searching certain common concepts. Check boxes are available for: **Abstract included, Images included.**

Date limiters are available in which you can select single dates or ranges for date of **publication, application,** and **updated**.

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[2] FDB searches the database ID. Click the "Field codes" hyperlink at the top right of the Advanced Search page. Click "Search syntax and field codes, then click on FDB command" to get a list of database names and codes that can be searched with FDB. FDB cannot be searched on its own; specify at least one search term then AND it with FDB.

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You can browse the contents of certain fields by using Look Up lists. These are particularly useful to validate spellings or the presence of specific data. Terms found in the course of browsing may be selected and automatically added to the Advanced Search form. Look Up lists are available in the fields drop-down and in the search options for:
Patent assignee, Inventor, Classification (IPC), and **Publication kind code**

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Patent assignee, Inventor, Patent publication country, Publication kind code, Classification (IPC), Database, and **Publication date (slider)**

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If you need to trace a particular patent, use the Look Up Patent feature. Find a link to this toward the top of the Basic Search, Advanced Search, or Command Line Search page; click this and you will go to a page where you can enter any known details of the patent, including: Number, Patent title, Assignee, Inventor, Publication date, and Application date.

SOURCES

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