Japan Patents Fulltext

Date revised: 15 August 2013

Description

Japan Patents Fulltext, provided by Lexis-Nexis Univentio (LNU) provides full-text machine translations in English from 1993 for published applications and utility models, and from 1994 for granted patents. Legal status information is also included.

Each record covers patent bibliographic data, abstract, and where available, the patent specification, claims and legal status actions. Bibliographic data includes the patent title, patent assignee, inventors, related applications and publications, classification data, cited references, citing patents, and abstract.

The front page drawing is included if present. The abstract, claims and specification are provided in the original language and machine-translated English, where applicable. Legal status actions include the gazette date announcing the action, the legal status code, the equivalent text description, and any additional details. A link to the image of the complete patent document in PDF format is available for most patents.

When a single patent record is retrieved, ProQuest Dialog gathers equivalent patents that share common priorities and builds a patent family table and a family legal status table. The patent country, number, kind, date, plus the local application number and date are provided for each patent in the family. While viewing the patent family, any member may be expanded to view its bibliographic data. Legal status actions for all family members are combined in the family legal status table.

Date Coverage	**Update frequency**
1913-present	Weekly
Geographic Coverage	**Document Types**
Japan	Patents

Publisher

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Lexis-Nexis Univentio
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Terms & Conditions
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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*, and *Look Up Patent*. Each is listed separately below. Some data can be searched using more than one tool.

Sample document[1]

TI

Drawing controller, control method therefor, program, recording medium, server, and drawing system

岩崎 哲史 (Inventor). 株式会社スクウェア・エニックス・ホールディングス (Assignee). **JP 2012245347 A**. (Published 13 Dec 2012).

Bibliographic information	Claims	Legal status	Specification	Cited references	Family members (2)	Family legal status

## □ Abstract (summary)   Translate

SL

Japanese:

AB, TX, FT

【課題】1以上のクライアント機器に対してゲーム画面を提供する描画システムにおいて、応答性に優れた効率的な描画処理を行う。

【解決手段】クライアント機器に対して提供する画面の生成に用いられる複数の描画オブジェクトの各々について、識別情報と描画に必要となるデータを示す詳細情報とを取得する。そして複数の描画オブジェクトの各々の詳細情報を参照して、詳細情報により示される少なくとも一部のデータが共通である描画オブジェクトに対して連続する描画順を割り当てるように、全描画オブジェクトの描画順を決定する。描画制御装置は、描画順に従って描画オブジェクトの詳細情報により示されるデータを読み出し、GPUに転送する。このとき、描画順において連続する描画オブジェクトの詳細情報により示されるデータのうち、既にGPUに転送されたデータと共通でないデータについてのみ読み出して転送する。

【選択図】図10

Drawing or chemical structure:
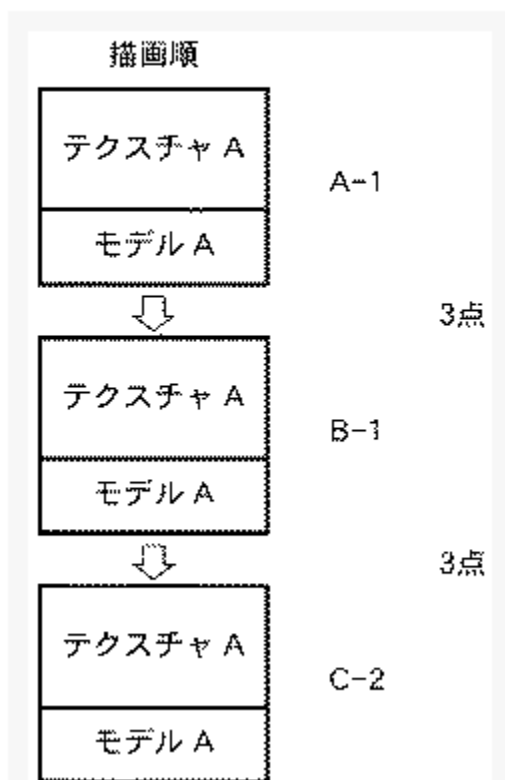
2点

テクスチャ A

モデル C

C-1

2点

テクスチャ A

モデル B

B-2

1点

テクスチャ B

モデル B

A-2

SL
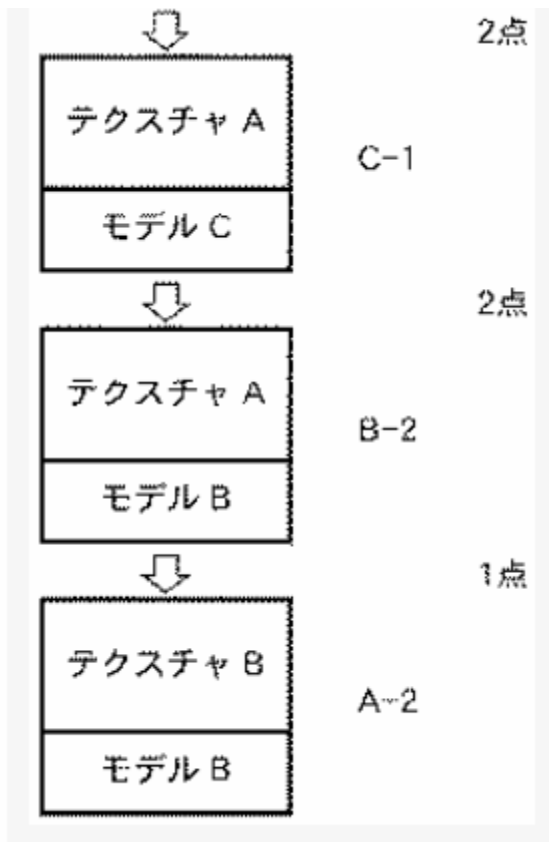
AB, TX, FT

English (machine translation):

PROBLEM TO BE SOLVED: 1 or more client devices provide a game screen in a lithography system, excellent in responsiveness to perform efficient drawing processing.

SOLUTION: client device used for generation of the screen to provide, for each of the plurality of graphic object, and identification information indicating and drawing and detailed information data is acquired. Each of the plurality of graphic object by referring to the detailed information, the information represented by at least a part of the detailed data in order to continuously drawing object which is commonly assigned to drawing, the drawing of the entire drawing is decided. The control device includes a drawing, which drawing is shown a detailed information data read according to the drawing, a GPU. At this time, in the order of plotting indicated by continuous drawing objects detailed information data, and the data transferred to the GPU already not only for the data read in common.

Selected drawing: fig. 10

⊟ Indexing (details)   📄 Cite

Field		Content

PA, CO — **Assignee**
株式会社スクウェア・エニックス・ホールディングス （592044813）
東京都渋谷区代々木三丁目22番7号

INV, AU — **Inventor**
岩崎 哲史
東京都渋谷区代々木三丁目22番7号 株式会社スクウェア・エニックス内

OTI — **Alternate title**
描画制御装置、その制御方法、プログラム、記録媒体、描画サーバ、及び描画システム
(Japanese)

PBC, PN², KC, PD — **Publication number**
JP 2012245347 A (13 December 2012)

APC, APN², APD — **Application number**
JP 2011260976 (29 November 2011)

PPC, PRN², PRD — **Priority number**
US 61489761 (25 May 2011)

CPC — **CPC classification**
A63F 13/12 (main); A63F 2300/538; A63F 2300/5593; A63F 2300/6615; A63F 2300/6661

Fewer details ▲

Class code	Value	Position	Status	Version	Action	Source	Office
A63F 13/12	I	F	B	20130101	20121221	H	EP
A63F 2300/538	A	L	B	20130101	20121221	H	EP
A63F 2300/5593	A	L	B	20130101	20121221	H	EP
A63F 2300/6615	A	L	B	20130101	20121221	H	EP
A63F 2300/6661	A	L	B	20130101	20121221	H	EP

IPC — **IPC classification**
Version 8: A63F 13/12 (main); A63F 13/10

Fewer details ▲
IPC version 8:

Class code	Level	Value	Position	Status	Version	Action	Source	Office
A63F 13/12	A	I	F	B	20060101	20121116	H	JP
A63F 13/10	A	I	L	B	20060101	20121116	H	JP

JPC — **JP classification FI-term**
A63F 13/12 C (main); A63F 13/10

JPF — **JP classification F-term**
2C001/BC10; 2C001/CB08

LA — **Publication language**
Japanese

Application language
Japanese

LRP — **Legal representative**
大塚 康徳 （100076428） (Attorney)
高柳 司郎 （100112508） (Attorney)
大塚 康弘 （100115071） (Attorney)
木村 秀二 （100116894） (Attorney)
下山 治 （100130409） (Attorney)
永川 行光 （100134175） (Attorney)

NCP — **Document features**
1 cited patents

NOC, NLS
18 claims; 8 legal status entries

Word count
11061

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² Also PNUM

AN   **Accession number**   JP2012245347A

Document URL   http://search.proquest.com/professional/docview
/1386466825?accountid=137296

FAV   **First available**   2013-05-29

UD   **Updates**   2013-05-29

Database   Japan Patents Fulltext

Bibliographic information	Claims	Legal status	Specification	Cited references	Family members (2)	Family legal status

Available in: Japanese | English

Japanese:

CLM, TX, FT
クライアント機器に対して提供する画面の生成に用いられる複数の描画オブジェクトの情報を取得して記憶手段に記憶する取得手段であって、各描画オブジェクトの情報は、該描画オブジェクトの識別情報と、該描画オブジェクトの描画に必要となるデータを示す詳細情報とで構成される取得手段と、

前記取得手段により取得された前記複数の描画オブジェクトの各々の詳細情報を参照して前記複数の描画オブジェクトの描画順を決定する決定手段と、

前記決定手段により決定された描画順に従って描画オブジェクトの識別情報を取得し、該識別情報に対応する描画オブジェクトの詳細情報により示されるデータをデータ記憶手段より読み出し、前記複数の描画オブジェクトの描画を順に行って画面を生成する描画手段に転送する転送手段と、を有し、

前記決定手段は、前記複数の描画オブジェクトのうち、詳細情報により示される少なくとも一部のデータが共通である描画オブジェクトに対して連続する描画順を割り当て、

前記転送手段は、描画順に従って描画を行う際に、描画順において連続する描画オブジェクトの詳細情報により示されるデータのうち、既に前記描画手段に転送されたデータと共通でないデータについて、前記データ記憶手段から読み出して転送する

English (machine translation):

CLM, TX, FT
Client devices to provide a plurality of drawing objects used for generating screen information is acquired by the acquisition means which is stored in the storage means, the information of the object to drawing, the drawing and the identification information of the object, and the drawing shows the drawing and detailed information data necessary for the acquisition means and,

The acquired by the acquisition means of each of the plurality of graphic object by referring to the detailed drawing of the drawing and a determining means for determining the order,

Drawing order determined by the determining means, identification information is obtained according to the drawing, the drawing corresponding to the identification information represented by object detailed information read out from the data storage means, the drawing of the object in order to generate the screen and means to transfer the drawing means, are provided,

The determining means determines, among the plurality of graphic object, a continuous drawing order to drawing objects by at least a part of the detailed information data are shown in commonly assigned,

The transfer means, when plotted according to a sequence of plotting, drawing in the order indicated by continuous drawing objects detailed information data, and the data transferred to the already and the drawing means is not in common, and transfers the data read from the storage means

	Bibliographic information	Claims	Legal status	Specification	Cited references	Family members (2)	Family legal status

Gazette date	Code	Description	Notes/additional information
2012 Dec 13		Date of publication of unexamined document not granted on or before said date.	
2012 Nov 21		Date of publication of document granted on or before said date.	
2012 Sep 07	JP FPAY +	RENEWAL FEE PAYMENT	PAYMENT UNTIL: 20150907 Paid in year: 3
2012 Sep 07	JP R150 +	CERTIFICATE OF PATENT (=GRANT) OR REGISTRATION OF UTILITY MODEL	JAPANESE INTERMEDIATE CODE: R150
2012 Aug 14	JP A521	WRITTEN AMENDMENT	Effective: 2012 Jul 26 JAPANESE INTERMEDIATE CODE: A821
2012 Aug 09	JP A61 +	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Effective: 2012 Aug 01 JAPANESE INTERMEDIATE CODE: A61
2012 Jul 19	JP A01 +	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	JAPANESE INTERMEDIATE CODE: A01
2012 Jul 09	JP TRDD +	DECISION OF GRANT OR REJECTION WRITTEN	

	Bibliographic information	Claims	Legal status	Specification	Cited references	Family members (2)	Family legal status

Available in: Japanese | English

Japanese:

TECHNICAL FIELD

本発明は、描画制御装置、その制御方法、プログラム、記録媒体、描画サーバ、及び描画システムに関し、特にネットワーク接続されたクライアント機器に対して、描画した画面を提供する技術に関する。

BACKGROUND

ネットワーク接続可能なパーソナルコンピュータ(PC)等のクライアント機器が普及している。このような機器の普及により、インターネットにおけるネットワーク人口は増加している。近年では、ネットワークユーザに対する、インターネットを利用した様々なサービスが展開されており、ゲーム等のエンターテインメントサービスも提供されている。

ネットワークユーザに対するサービスの1つとして、MMORPG(Massively Multiplayer Online Role-Playing Game)等の多人数同時参加型のネットワークゲームがある。多人数同時参加型のネットワークゲームでは、ユーザは使用するクライアント機器を、ゲームを提供するサーバ機器に接続することで、該サーバ機器に接続されているクライアント機器を使用するユーザとの対戦プレイや協力プレイを行うことができる。

一般的な多人数参加型のネットワークゲームでは、クライアント機器はサーバ機器との間でゲームの描画に必要なデータの送受信を行う。クライアント機器は、受信した描画に必要なデータを用いて描画処理を実行し、生成したゲーム画面をクライアント機器に接続された表示装置に提示することで、ユーザにゲーム画面を提供する。また、ユーザが入力インタフェースを操作することで入力された情報はサーバ機器に送信され、サーバ機器における演算処理に使用されたり、サーバ機器に接続された他のクライアント機器に伝送されたりする。

English (machine translation):

TECHNICAL FIELD

The present invention, plotting controller, control method therefor, program, recording medium, server, and plotting system, particularly to a client device connected to a network, and a screen.

BACKGROUND

A personal computer (PC) or the like which can be connected to a network of popular client devices. By such a spread, Internet network increases in population. In recent years, to a user network, the Internet is developed various services, such as a game entertainingness service.

1 service to the user as a network, the network of multiplayer games MMORPG (Massively Multiplayer Online Role-Playing Game) or the l Multiplayer games in the network, using a client user, providing a server connected to the equipment, the server to the equipment or the user using the client device capable of performing a match playlist playlist cooperation.

A general multiplayer games in the network, the server and the client device drawing of a game equipment necessary for transmitting/receiving data. Client devices, data necessary for the received drawing by using a drawing process is executed, the game screen on a display device connected to the client device presenting, to provide a game screen on the user. Furthermore, when the user operates the input interface, the input information is transmitted to the server equipment, or in a server equipment, on the other hand to the server equipment or equipment.

However, the drawing processing is performed in a game of this network client equipment, exclusive of the game machine using a PC or a user draws sufficient and required performance. Therefore, the number of users of the network game (1 content), client requested depending on the performance of the equipment. That is, for example, to provide a beautiful graphics high performance is required, such as a game in the game, it is difficult to increase the number of users.

On the other hand, in recent years, such performance of the client device without depending on the processing capacity, even if the user is playing a game (patent document 1) provide.

CITATION LIST
Patent Literature

First international publication Number 2009/138878 pamphlet

DISCLOSURE
Technical Problem

In the patent document 1 of such a game, the client server equipment is in the operation of the information, the information obtained by a drawing process with a game screen, to provide for the client device. In other words,

Bibliographic information	Claims	Legal status	Specification	Cited references	Family members (2)	Family legal status

Cited patents

This patent's list of citations includes the patents below (backwards citations).

Cited by applicant (1 patent)

Publication number
WO 2009138878 A2

| Bibliographic information | Claims | Legal status | Specification | Cited references | Family members (2) | Family legal status |

Complete family

Complete family ID: 154509307
Simple family ID: 154286622
Includes: 2 patents; 1 countries

Publication number	Kind	Publication date	Application number	Application date	Type
⊞ JP 2012245347	A	20121213	JP 2011260976	20111129	B
⊟ JP 2012245363	A	20121213	JP 2012170334	20120731	

Title	Drawing controller, control method therefor, program, recording medium, server, and drawing system
Assignee	株式会社スクウェア・エニックス・ホールディングス　(592044813) 東京都渋谷区代々木三丁目22番7号
Inventor	岩崎 哲史 東京都渋谷区代々木三丁目22番7号 株式会社スクウェア・エニックス・ホールディングス内
Priority number	US 61489761 (25 May 2011)
CPC classification	A63F 13/12 (main); A63F 2300/538; A63F 2300/5593; A63F 2300/6615; A63F 2300/6661
IPC classification	Version 8: A63F 13/12 (main); A63F 13/10
Publication language	Japanese
Document features	1 cited patents 18 claims; 1 legal status entries
Source attribution	Japanese Patents Fulltext, © Publisher specific
Abstract	Japanese: 【課題】1以上のクライアント機器に対してゲーム画面を提供する描画システムにおいて、応答性に優れた効率的な描画処理を行う。

【解決手段】クライアント機器に対して提供する画面の生成に用いられる複数の描画オブジェクトの各々について、識別情報と描画に必要となるデータを示す詳細情報とを取得する。そして複数の描画オブジェクトの各々の詳細情報を参照して、詳細情報により示される少なくとも一部のデータが共通である描画オブジェクトに対して連続する描画順を割り当てるように、全描画オブジェクトの描画順を決定する。描画制御装置は、描画順に従って描画オブジェクトの詳細情報により示されるデータを読み出し、GPUに転送する。このとき、描画順において連続する描画オブジェクトの詳細情報により示されるデータのうち、既にGPUに転送されたデータと共通でないデータについてのみ読み出して転送する。

【選択図】図10 |

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[3] Family members are displayed in a table. To view the bibliographic details of a member, expand the table entry by clicking on the "plus" sign preceding the publication number.

4 Legal status - complete family

Patent number	Gazette date	Code	Description	Notes/additional information
JP 2012245347 A	13 Dec 2012		Date of publication of unexamined document not granted on or before said date.	
JP 2012245347 A	21 Nov 2012		Date of publication of document granted on or before said date.	
JP 2012245347 A	07 Sep 2012	JP FPAY +	RENEWAL FEE PAYMENT	PAYMENT UNTIL: 20150907 Paid in year: 3
JP 2012245347 A	07 Sep 2012	JP R150 +	CERTIFICATE OF PATENT (=GRANT) OR REGISTRATION OF UTILITY MODEL	JAPANESE INTERMEDIATE CODE: R150
JP 2012245347 A	14 Aug 2012	JP A521	WRITTEN AMENDMENT	Effective: 2012 Jul 26 JAPANESE INTERMEDIATE CODE: A821
JP 2012245347 A	09 Aug 2012	JP A61 +	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Effective: 2012 Aug 01 JAPANESE INTERMEDIATE CODE: A61
JP 2012245347 A	19 Jul 2012	JP A01 +	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	JAPANESE INTERMEDIATE CODE: A01
JP 2012245347 A	09 Jul 2012	JP TRDD +	DECISION OF GRANT OR REJECTION WRITTEN	
JP 2012245363 A	13 Dec 2012		Date of publication of unexamined document not granted on or before said date.	

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[4] Legal status actions for the family are displayed.

Search fields[5]

Field Name	Field Code	Example	Description and Notes
Abstract	AB	ab(GPU and draw*) ab("*描画*")	Use adjacency and/or Boolean operators to narrow search results.
Abstract present	ABANY	(GPU or "graphics processing unit") and abany(yes)	Add: *AND ABANY(YES)* to a query to limit retrieval to records with abstracts.
Accession number	AN	an(JP2012245347A)	A unique document identification number assigned by the information provider.
All fields	ALL	all(plurality n/3 object*)	Searches all fields *except* the full text in full-text databases. Use proximity and/or Boolean operators to narrow search results.
All fields + text		MMORPG	Searching without a field code searches all fields, including the full text in full-text databases.
Alternate title	OTI	oti(記録媒体)	Searches alternate title and original patent title, if available. Field code TI also searches the alternate title.
Any number	PNUM	pnum(JP2012245347) pnum(JP245347) pnum(JP 2011260976) pnum(260976) pnum(US61489761)	Includes application, priority application, related application, and related publication number. Enhanced/variant forms of the number are also searchable. For cited and citing publication numbers, use CTPN and CGPN.
Application country	APC	apc(jp) apc(us) apc(wo)	Includes application, priority application, and related application country.
Application date	APD	apd(20111129) apd(2011-11-29) apd(2011)	Searches the main application date.
Application dates – all	APDA	apda(20111129) apda(2011-05-25) apda(201105) apda(19930924)	Includes application, priority, and related application dates.
Application number	APN	apn(JP 2011260976) apn(JP2011260976)	Searches the main application number.
Application numbers – all	APNA	apna(JP2011260976) apna(US 61489761) apna(WO 1993US9117) apna(WO US93009117)	Includes application, priority application, and related application numbers.
Author	AU	au(岩崎 哲史) au(vinther gordon)	Author names in patent databases are inventors but can be searched using the AU field code.
Cited and citing patent references	PAR	par(2009-11-19) par(WO 2009138878) par(WO2009138878A2) par(JP2011154023) par(JP154023)	Searches cited and citing patent references, but not cited literature.
Cited non-patent literature	NPL	npl(フジクラ技報)) npl(Macromolecules)	Searches the cited literature references.
Cited patent publication date	CTDA	ctda(20091119) ctda(2009-11-19) ctda(2009)	Cited patent publication dates are searchable but do not display.
Cited patent publication number	CTPN	ctpn(WO 2009138878 A2) ctpn(WO2009138878A2) ctpn(WO 2009138878) ctpn(2009138878) ctpn(138878)	Includes enhanced/variant forms of the number.
Cited references – all	REF	ref(WO2009138878) ref(JP2010539615A) ref(フジクラ技報)	Includes cited/citing patent and cited literature references.
Citing patent publication date	CGDA	cgda(20110811) cgda(2011)	Citing patent publication dates are searchable but do not display.

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[5] Most, but not all, of the search examples are from the sample record.

Field Name	Field Code	Example	Description and Notes
Citing patent publication number	CGPN	cgpn(JP154023) cgpn(JP 2011154023 A) cgpn(JP2011154023) cgpn(2011154023)	Includes enhanced/variant forms of the number.
Claims	CLM	clm(screen near/5 generat*) clm("描画制御装置*")	Claims are the legal text describing the patent.
Classification – CPC[6, 7]	CPC	cpc(A63F 13/12) cpc(A63F 13) cpc(A63F) cpc(A63) cpc(A)	Cooperative Patent Classification codes.
Classification – ECLA	ECLA	ecla(G01R 33/3415) ecla(G01R 33) ecla(G01R) ecla(G01) ecla(G)	European Class codes.
Classification – IPC[7, 8]	IPC	ipc(A63F 13/10) ipc(A63F 13) ipc(A63F) ipc(A63) ipc(A)	International Patent Class codes.
Classification – JP FI-term	JPC	jpc(A63F 13/12) jpc(A63F 13) jpc(A63F)	Japanese class codes are based on IPC Version 4.
Classification – JP F-term	JPF	jpf(2C001/BC10) jpf(2C001)	Japanese class codes.
Company information	CO	co("*スクウェア・エニックス*") co("株式会社スクウェア・エニックス・ホールディングス") co(592044813)	Searches assignee and assignee code.
Document text	TX	tx(multiplayer n/5 game or MMORPG) tx(GPU) tx(描画サーバ)	Includes abstract, claims, and specification. Use adjacency and/or Boolean operators to narrow search results.
Document type	DTYPE	dtype(patent)	The only document type in this database is "patent".
Family ID – complete	CFID	cfid(154509307)	A complete family ID is a type of accession number assigned to any patents that share at least one priority application number. The ID is unique to the LNU patents fulltext databases.
Family ID – simple	FID	fid(154286622)	A simple family ID is a type of accession number assigned to any patents that share one or more identical priority application numbers. The ID is unique to the LNU patents fulltext databases.
First available	FAV	fav(2013-05-29) fav(20130529) fav(2013)	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[9]	FDB	drawing n/3 controller and fdb(1008381)	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.
Full text	FT	ft(system n/5 draw* and lithograph*) ft("描画制御装置*")	Also searchable as TX.
Full text present	FTANY	recording n/4 medium and ftany(yes)	Add: *AND FTANY(YES)* to a query to limit your search to documents with full text (i.e., Specification)

[6] The Cooperative Patent Classification (CPC) was introduced in January 2013. It is structurally similar to the International Patent Classification (IPC).
[7] The CPC and IPC attribute values cannot be searched at this time.
[8] IPC Versions 1-7 are used from 1970 through 2005. IPC Version 8 is used from 2006 forward.
[9] 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.

Field Name	Field Code	Example	Description and Notes
Image present	IMGANY	"drawing system" and imgany(yes)	Add: *AND IMGANY(YES)* to a query to limit your search to documents with an image.
Inventor	INV	inv(岩崎 哲史) inv("vinther, gordon")	Inventor names are also searchable using the AU field code.
Inventor country	ICO	ico(us)	
Language	LA	la(Japanese) la(jpn)	The language in which the document was originally published.
Language of abstract	SL	sl(eng) sl(Japanese)	The language of the abstract.
Legal representative	LRP	lrp(大塚 康徳)	The legal representative, attorney, agent, or firm who represents the patent assignee.
Legal status	LS	ls(20120809) ls("jp r150") ls(2012-08-01) ls(transfer)	Searches legal status Gazette date, code, code description, and notes.
Legal status code	LSC	lsc("renewal fee payment") lsc("jp fpay") lnk ld(201209)	Includes legal status code and code description. Use the LNK operator to retrieve related legal status data from a specific legal status entry.
Legal status date	LD	ld(2012-09-07) ld(20121213) ld(20120726)	Includes the Gazette date and any other legal status date.
Number of cited literature references	NR	nr(5) nr(>=15)	The number non-patent literature references. NR is a numeric field so using "greater than" (>) and "less than" (<) symbols, for example, is possible.
Number of cited patents	NCP	ncp(4) ncp(8 or 9)	NCP is a non-numeric field; using symbols such as "greater than" (>), "less than" (<) is not possible.
Number of citing patents	NCBP	ncbp(6) ncbp(12 or 13 or 14)	NCBP is a non-numeric field.
Number of claims	NOC	noc(18) noc(25-30)	NOC is a numeric field.
Number of legal status entries	NLS	nls(8) nls(<=20)	NLS is a numeric field.
Patent assignee	PA	pa("*スクウェア・エニックス*") pa("株式会社スクウェア・エニックス・ホールディングス") pa("DELAWARE CAPITAL FORMATION")	Searches assignee name.
Patent assignee code	PACD	pacd(000005821)	Searches standardized patent assignee code.
Patent assignee country	ACO	aco(jp)	The mailing address country for the patent assignee consisting of the ISO-standard 2-letter country code.
Patent publication country	PBC	pbc(jp) pbc(wo)	Searches the 2-letter ISO standard country code for the main and related 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. KC searches the main publication country with kind code, or the country only.
Patent publication date	PD	pd(20121213) pd(2012-12-13) pd(2012-2013)	Searches the main publication date. Dates may be searched as a range. Also searchable via the Look Up Patent tool.
Patent publication dates – all	PDA	pda(20121213) pda(2012) pda(19940331)	Includes main and related publication dates.
Patent publication number	PN	pn(JP 2012245347) pn(JP2012245347)	Searches only the main publication number.
Patent publication numbers – all	PNA	pna(JP2012245347) pna(WO 1994006451)	Includes main and related publication numbers.
Patent title	TI	ti(drawing pre/0 controller and server) ti(描画制御装置)	Includes alternate title. The English title is generally preferred with the non-English titles listed as alternate titles.

Field Name	Field Code	Example	Description and Notes
Priority application country	PPC	ppc(us)	The 2-letter ISO-standard country code associated with the priority application number.
Priority application date	PRD	prd(20110525) prd(201105)	Searches the 8-digit date assigned to a priority application number.
Priority application number	PRN	prn(US 61489761) prn(US61489761)	The priority application number is the number assigned to the original or first application.
Publication title	PUB	pub(Japan)	The only publication title in this database is "Japan Patents Fulltext".
Publication type	PT	pt("Government & Official Publications")	The only publication type in this database is "Government & Official Publications".
Related publication and application type	DT	dt(division) dt(PCT)	Searches type of related publication and application.
Specification	SPEC	spec("personal computer" or PC)	Searches only the specification of the patent. To search all text (abstracts, claims, specification), use the TX or FT field code.
Updates	UD	ud(20130529) ud(2013)	The date(s) the record was loaded as a result of an update provided by the supplier.

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