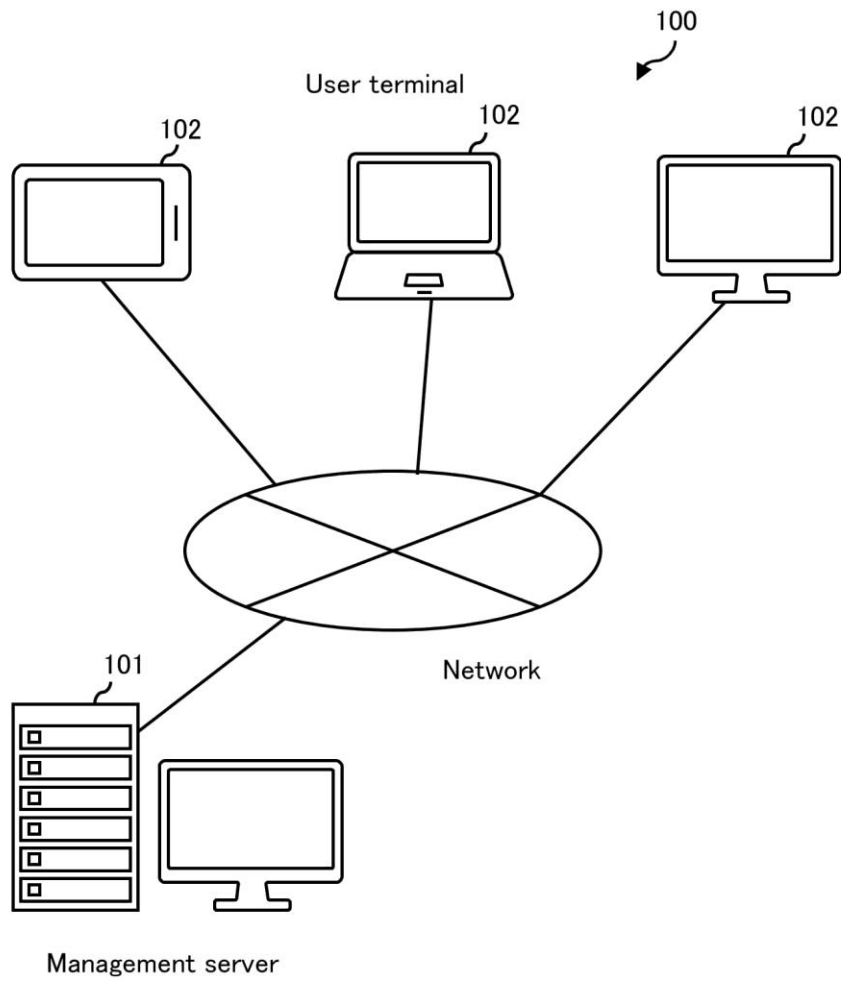
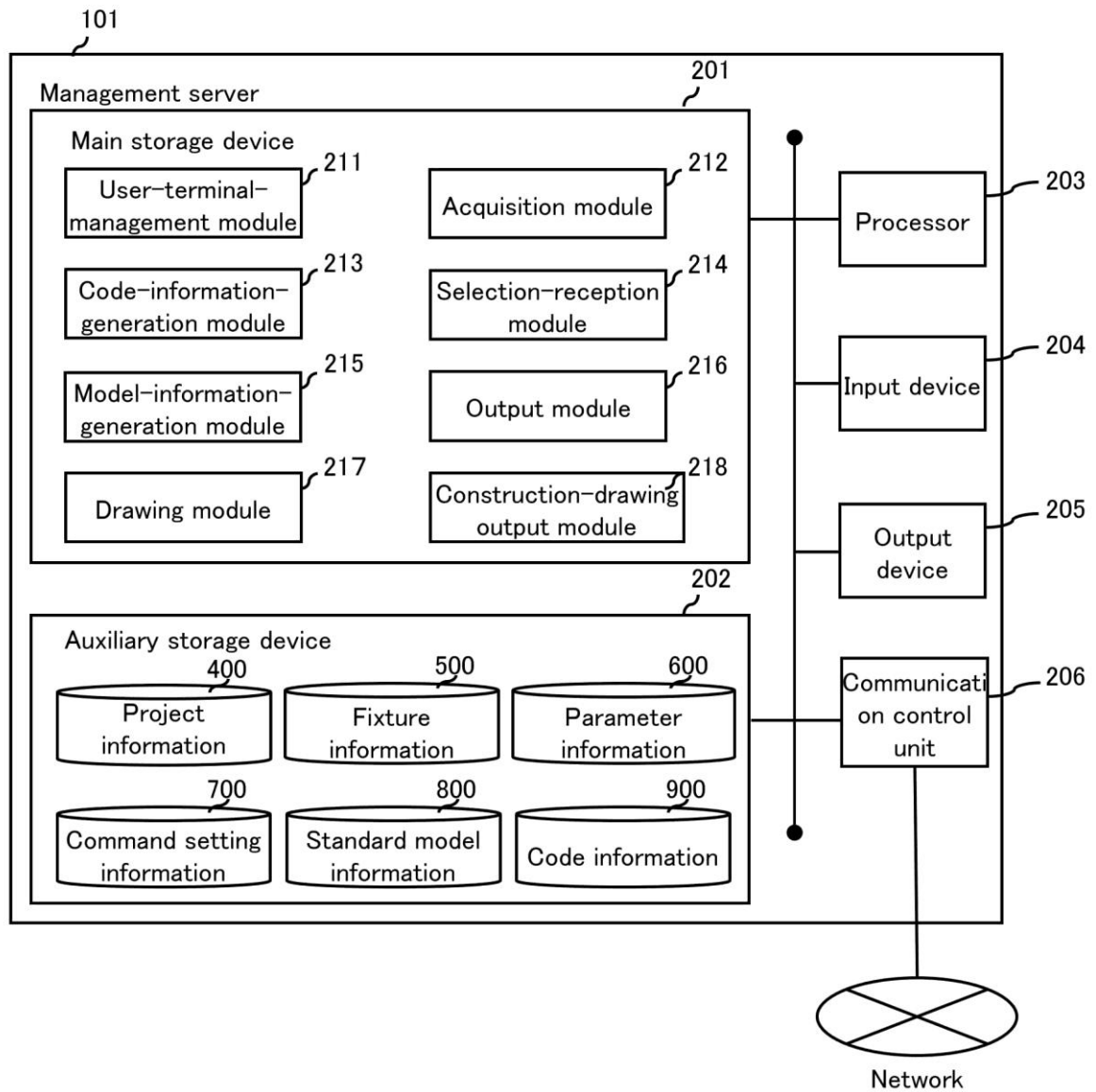


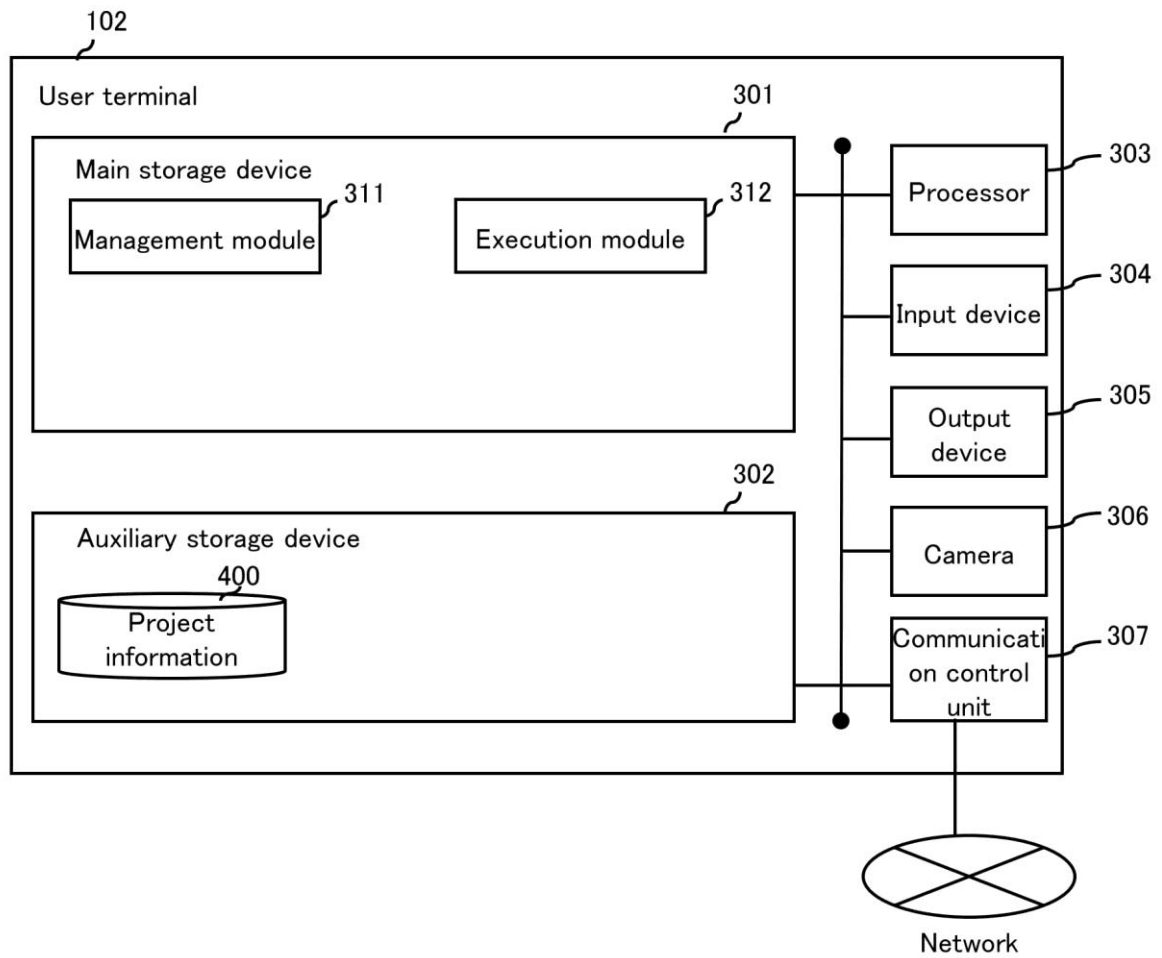
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FIG.1



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FIG.2



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FIG.3



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FIG.4

400 Project information

Field name	Value	Summary
Project ID	p001	It is an identification ID of a construction project
Project representation ID	○× business company building 1st – 14th floors	It is an identification ID of a representation ID
Client ID	CLaaaaa	It is an identification ID of a client
Client name	○× business company	It is name information of a client
Construction company ID	G0001	It is an identification ID of a construction company
Construction company name	○○ construction	It is name information of a construction company
BIM data ID	BIMxxxx	It is an identification ID of BIM data of a building
Storage location of BIM data	https://xxx/yyy/zzz	It is information of a storage location of BIM data
⋮	⋮	⋮

500 Fixture information

	510	520	530
Field name	Value	Summary	
Fixture ID	SD00abc	It is an identification ID of a fixture	
Project ID	p001	It is an identification ID of a project	
Fixture code	SD-10	It is representation information of a fixture in a target project	
Quantity	16	It is the number of the fixtures in the target project	
⋮	⋮	⋮	

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FIG.6

600 Parameter information

No.	Parameter name	Value	Acquired information	Supplementary information	Summary
1	DoorH	2100	✓		Height of door
2	DoorW	800	✓		Width of door
3	DoorT	40	✓		Thickness of door
4	FInsideH	830	✓		Inside dimension of height of frame
5	FInsideW	2131	✓		Inside dimension of width of frame
6	WallT	65	✓		Thickness of wall
7	Room1	Machine room1	✓		Room name-1
8	Room2	Office202	✓		Room name-2
9	ClearanceT	5	✓		A gap dimension above a door
10	ClearanceL	:	✓		A gap dimension of a door edge
11	ClearanceR	:	✓		A gap dimension of hanging root of a door
12	ClearanceB	:	✓		A gap dimension under a door
13	ClearanceFront	:	✓		A gap dimension of a door front surface
14	ClearanceBack	:	✓		A gap dimension of a door back surface
15	FTFrontT	:	✓		From a wall core to an upper frame front surface
16	FTBackT	:	✓		From a wall core to an upper frame back surface
17	FTFrontW	:	✓		Reveal of a front surface of an upper frame
18	FTBackW	:	✓		Reveal of a back surface of an upper frame
19	FLFrontT	66		✓	From a wall core to a frame front surface (hanging root)
20	FLBackT	66		✓	From a wall core to a frame back surface (hanging root)
21	FLFrontW	:	✓		Reveal of a front surface of a left frame (hanging root)
22	FLBackW	:	✓		Reveal of a back surface of a left frame (hanging root)
23	FRFrontT	66		✓	From a wall core to a frame front surface (door edge)
24	FRBackT	66		✓	From a wall core to a frame back surface (door edge)
25	FRFrontW	:	✓		Reveal of a front surface of a left frame (door edge)
26	FRBackW	:	✓		Reveal of a back surface of a left frame (door edge)
:	:	:	:	:	:

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FIG.7

700 Command setting information

Valid/ invalid	Instruction	Argument 1: part file name	Argument 2: parameter name	Argument 3: value
1	ParamChange	01Doorprt File	DoorH	2100
1	ParamChange	02FTprt File	DoorH	2100
1	ParamChange	03FLprt File	DoorH	2100
1	ParamChange	04FRprt File	DoorH	2100
1	ParamChange	07WTprt File	DoorH	2100
1	ParamChange	08WLprt File	DoorH	2100
1	ParamChange	09WRprt File	DoorH	2100
0	ParamChange	01Door File	[Primary]	[右]
1	ParamChange	10Layout File	HandleH	1000
1	ParamChange	10Layout File	HandleOffset	400
1	ParamChange	10Layout File	room1	Machine room1
1	ParamChange	10Layout File	room2	Office202
END				

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FIG.8

800 Standard model information

Field name	Value	Summary
inputdrw file	urn:xxx.objects:os.object:mybucket_xxxxxxx/inputdrw	It is a reference destination of a skeleton model file
inputcsv file	urn:xxx.objects:os.object:mybucket_xxxxxxx/inputcsv	It is a reference destination of parameter information
inputasm file	urn:xxx.objects:os.object:mybucket_xxxxxxx/inputasm	It is a reference destination of assembly information of a standard model
01Doorprt file	urn:xxx.objects:os.object:mybucket_xxxxxxx/01Doorprt	It is a reference destination of door part information of a standard model
02FTprt file	urn:xxx.objects:os.object:mybucket_xxxxxxx/02FTprt	It is a reference destination of (upper) frame part information of a standard model
⋮	⋮	⋮
outputpng file	urn:xxx.objects:os.object:mybucket_xxxxxxx/outputpng	It is a reference destination of construction-drawing-template information
outputpdf file	urn:xxx.objects:os.object:mybucket_xxxxxxx/outputpdf	It is a reference destination of construction-drawing-template information
⋮	⋮	⋮

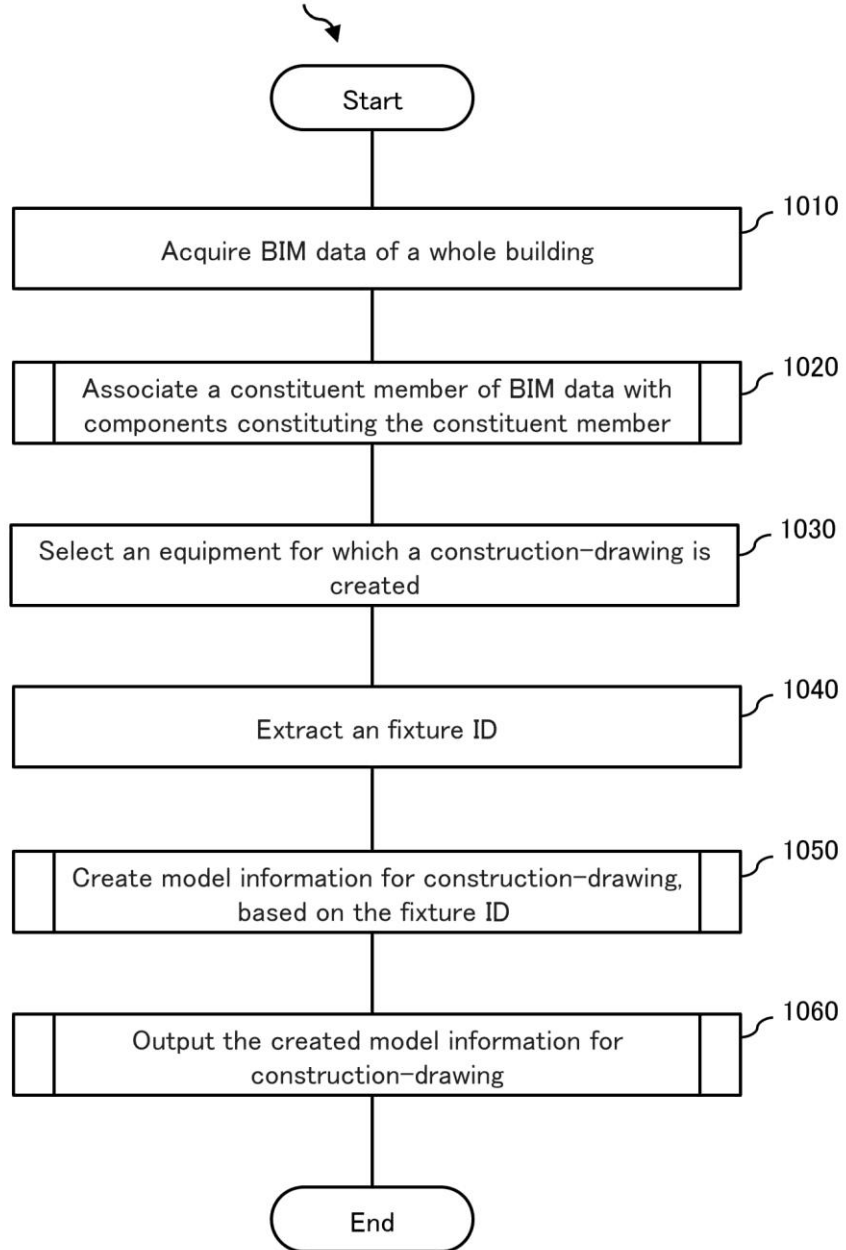
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FIG.9

900 Code information

Field name	Value	Summary
Fixture code	OP_O1_ISAFRN_OP_GR6_S1_FL_HHW_LH_OT	It is code information indicating a configuration of a fixture
Door code	OP_O1_ISAFRN_OP_GR6_S1	It is code information indicating a specification of a door main body
Frame code	OP_O1_ISAFRN_FL	It is code information indicating a specification of a door frame
Hanging metal hardware code	OP_O1_ISAFRN_HHW	It is code information indicating a specification of a hanging metal hardware
Handle code	OP_O1_ISAFRN_LH	It is code information indicating a specification of a handle
Metal hardware code	OP_O1_ISAFRN_OT	It is code information indicating a specification of other metal hardware
Wall member code	IW_(L)EA0/EA0_109	It is code information indicating a specification of a peripheral member (wall member) of the fixture
Floor member code	PTZ-0450M9L	It is code information indicating a specification of a peripheral member (floor member) of the fixture
⋮	⋮	⋮

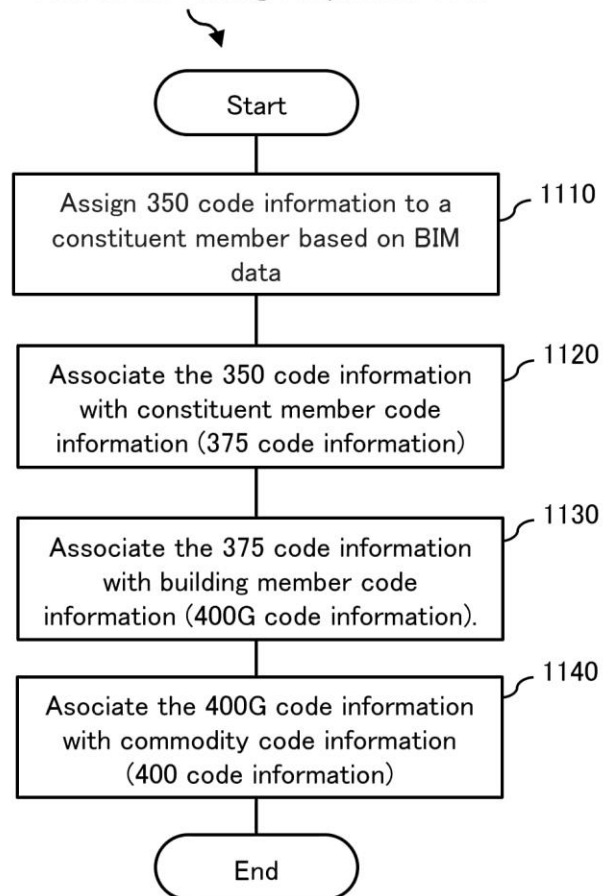
10/28
FIG.10

Flow for creating a construction-drawing for fixture1000



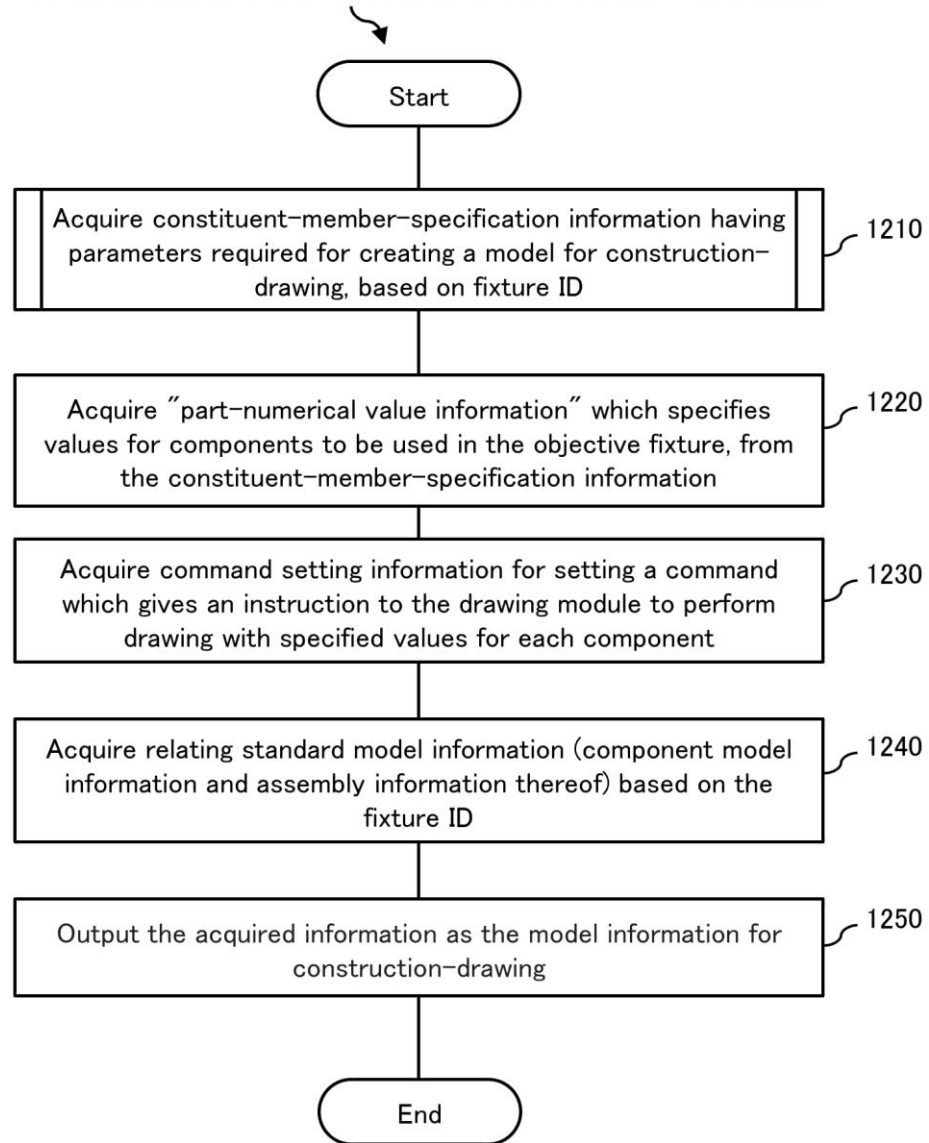
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FIG.11

Flow for associating components 1100



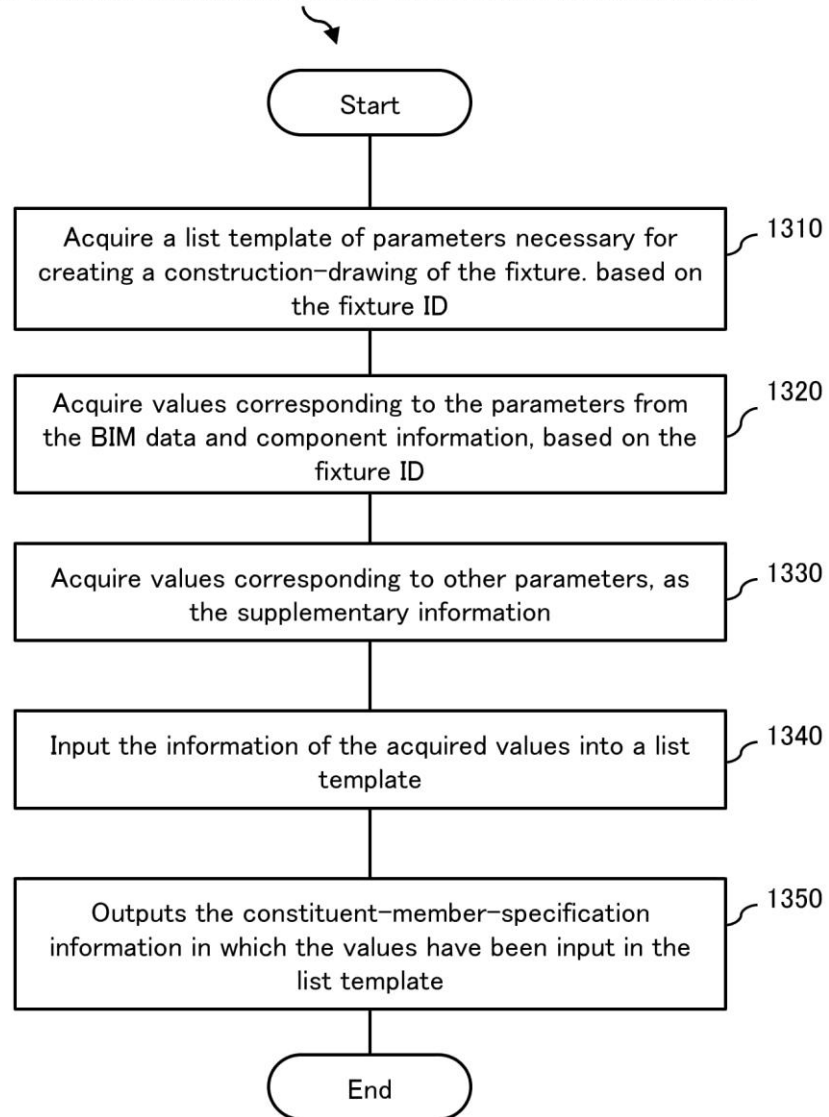
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FIG.12

Flow for generating model information for construction-drawing1200



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FIG.13

Flow for acquiring constituent-member-specification information 1300



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FIG.14

Flow for outputting a construction-drawing for fixture 1400

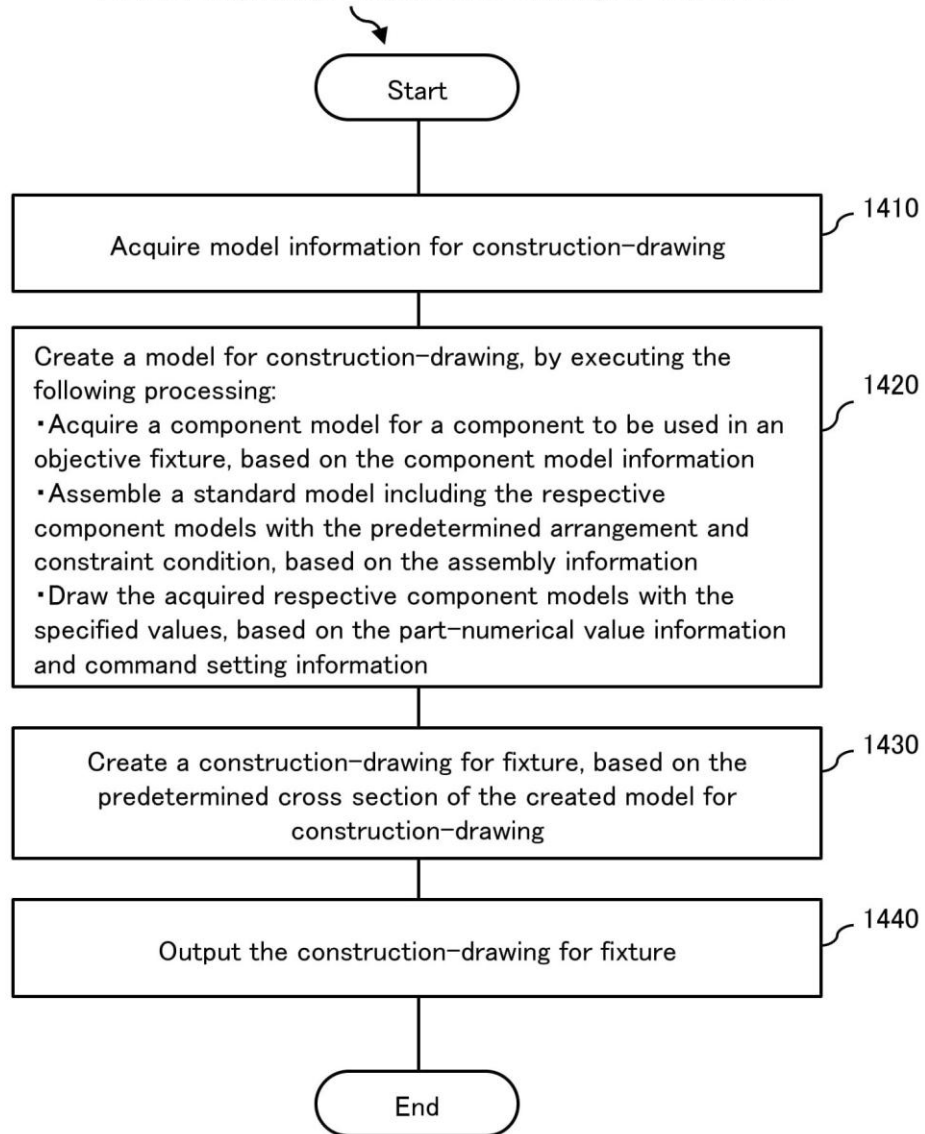


FIG.17

Construction-drawing-information screen 1700

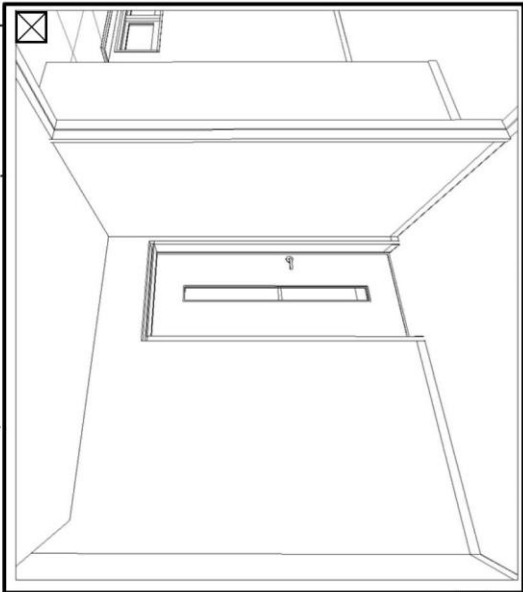
Fixture design		List of projects		General Contractor Co., Ltd. Constru	
<	Return	Construction-drawing-information			
☐ SD-1	Created	Shop Drawings	1		
☐ SD-2	Created		1		
☐ SD-3	Created		1		
☐ SD-4	In Progress		1		
☐ SD-5	In Progress		1		
☐ SD-6	In Progress		8		
☐ SD-7	In Progress		8		
☐ SD-8	In Progress		1		
☐ SD-9	In Progress		1		
☐ SD-10	In Progress		16		
☐ SD-11	In Progress		8		
☐ SD-12	In Progress		9		
☐ SD-13	In Progress		8		
Fixture code :SD-10 Product name Single Swing door with slit glass Attachment place WWC・MWC Comme					
Elevation View		Sectional View		Window Type Information	
				Fitting type	Quantity
				Door classification	Door type
				Exterior/Interior	Airtightness
				Law regulation	Fire protection equipment
				Main door design	Slit Glass at Leading Edge
				Head Frame Option	MB Special processing
				Width	Threshold
				Remarks	Height
					2085
				Basic Information	
				Frame Information	
				Door Leaf Information	
				Hardware Information	

FIG.18

Estimation item screen 1800

1802	1801	1803	1804	1805	1806	1807	1808	1809	1810	1811
Fixture design List of projects					General Contractor Co., Ltd. Constru					
< Return Estimation items										
Fixture Code Shop/Drawings 1										
☐ SD-1 Unedited										
☐ SD-2 Unedited										
☐ SD-3 Unedited										
☐ SD-4 Unedited										
☐ SD-5 Unedited										
☐ SD-6 Unedited										
☐ SD-7 Unedited										
☐ SD-8 Unedited										
☐ SD-9 Unedited										
☐ SD-10 Unedited 16										
☐ SD-11 Unedited										
☐ SD-12 Unedited										
☐ SD-13 Unedited										
Save edited contents Split SD info.										
BA demonstration Fixture code :SD-10 Product name Single Swing door with slit glass Attachment place WWC-MWC Window type info. Door classification Swing Door Swing Door Large Swing door Access Door Meter Box (MB) Fire Door with Pocket Fire Folding Door with Pocket Sliding Door (Top-hung) Sliding Door (Bottom-roller) Automatic Sliding Door Double-acting Swing Door Window Louver Normally Open Fire Sliding Door Tempered Glass Door Frame Wooden Door Frame Fire Rated Swing Door with Glass Acoustic Door (T-2) with Glass Fire Rated Sliding Door with Glass Acoustic Door (T-2) with Glass Acoustic Door (T-3) with Glass										
Fitting Type Single swing										
Exterior / Interior Interior										
MB Special Processing / Door Options No										
Head Drip Option No										
Glass Stop Position Bottom (1-sided)										
Glass Stop Installation Side Not Selected										
Door Leaf Finish Baked Acrylic Finish										
Bottom Stainless Steel Finish Not Selected										
Frame Assembly Method Steel 1.6mm										
Frame Sheet Thickness Steel 1.6mm										
Frame Profile Exterior FB - Single Fin										
Jamb-Finishing Baked Acrylic Finish										
Frame Depth 130										

FIG.19

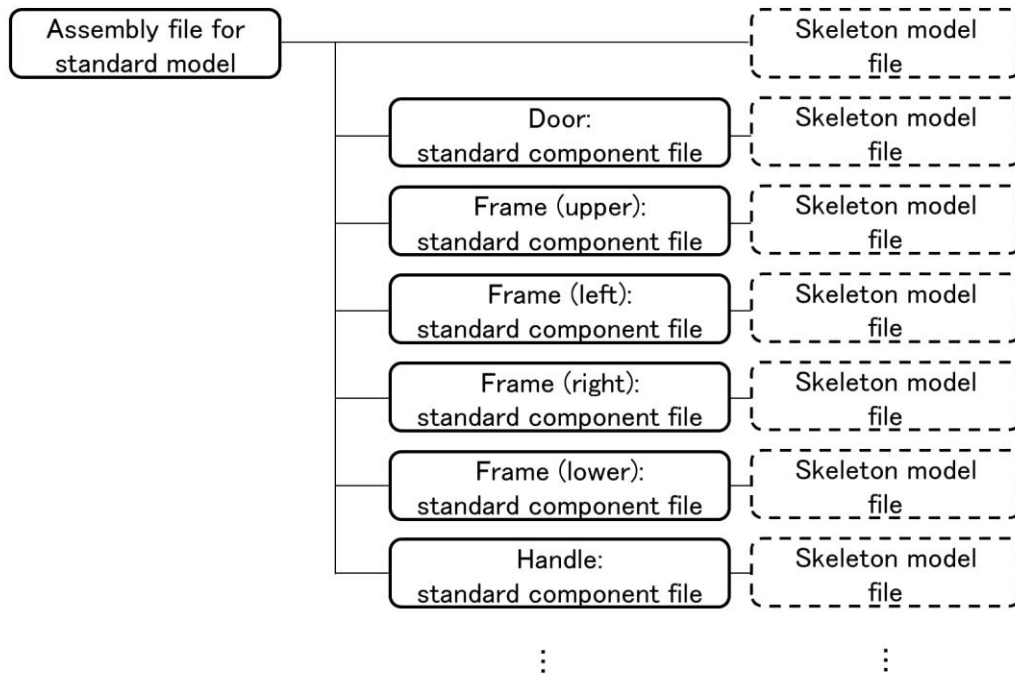
Estimation item screen 1900

Fixture design		List of projects				General Contractor Co., Ltd. Constru	
< Return	Estimation items						
Fixture Code	Shop Drawings						
☐ SD-1	Unedited	1					Comr
☐ SD-2	Unedited	1					
☐ SD-3	Unedited	1					
☐ SD-4	Unedited	1					
☐ SD-5	Unedited	1					
☐ SD-6	Unedited	8					
☐ SD-7	Unedited	8					
☐ SD-8	Unedited	1					
☐ SD-9	Unedited	1					
☐ SD-10	Unedited	16					
☐ SD-11	Unedited	8					
☐ SD-12	Unedited	9					
☐ SD-13	Unedited	8					
Save edited contents		Split SD info.					
BA demonstration Fixture code :SD-10 Product name Single Swing door with slit glass Attachment place WWC・MWC							
Window type info.							
Door classification		Open door		Fitting Type		Exterior / Interior	
Main Door Designation		Slit Glass at Leading Edge		Single swing door type		Internal	
Main Door Glass		Glass Shape		Single swing Double Swing Unequal Double Swing Single Sliding Bi-parting Sliding Unequal Bi-parting Sliding Double Telescopic Sliding Triple Telescopic Sliding Bypass Sliding Door Double Bi-parting Sliding Single Swing with Wicket Door Unequal Double Swing with Wicket Door Double Swing with Wicket Door Bi-fold Door Bi-fold Door with Wicket Door Lead-closing Bi-fold with Single Swing Trailing-closing Bi-fold with Single Swing Three-panel Folding Door		Head Drip Option	
Door Leaf Specifications		Shape: Rectangular		Glass Stop Installation Side		Absence	
ドア厚		Steel 1.6mm		Unselected		Low	
Frame		Frame Assembly Method		Bottom Stainless Steel Finish		Air	
Steel 1.6mm		Steel 1.6mm		Unselected		A	
Frame Sheet Thickness		Frame Profile		Frame Depth		Un	
Steel 1.6mm		Outer FB-Single sliding door		130		Un	
Jamb-Finishing		Acrylic Coating					

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FIG.20

2000 Conceptual diagram for creating a model for construction-drawing

(A)



(B)

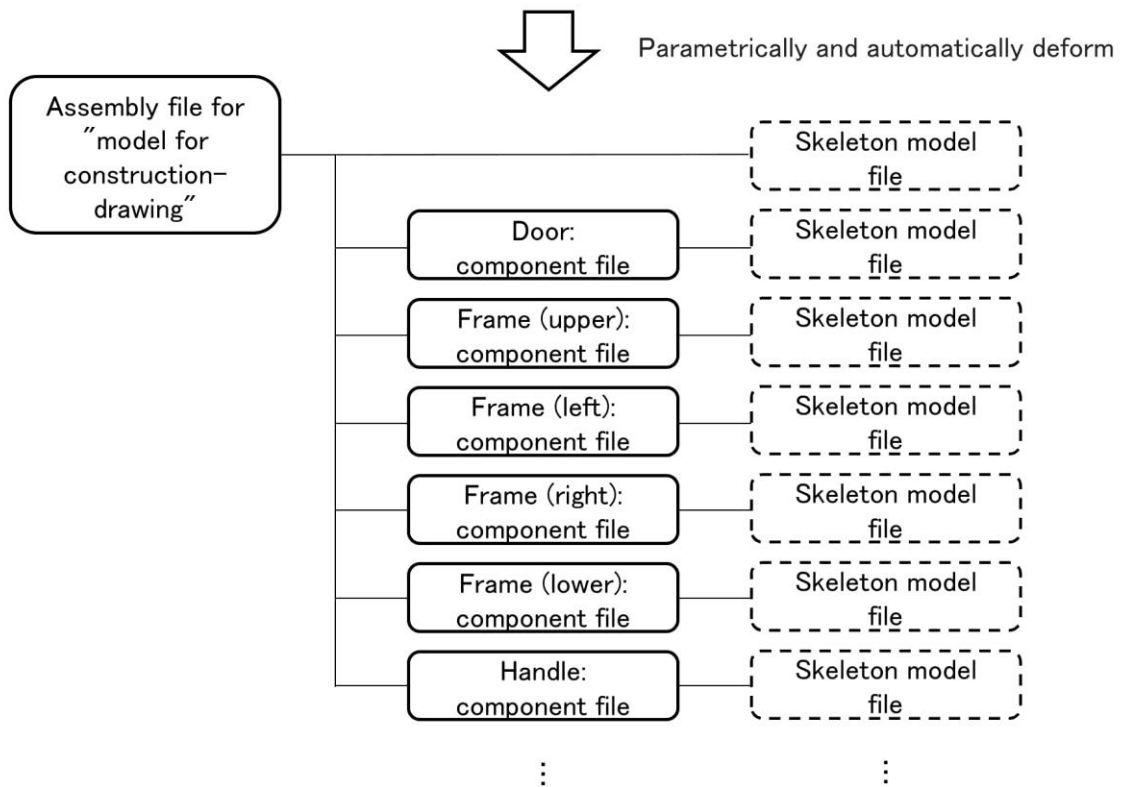
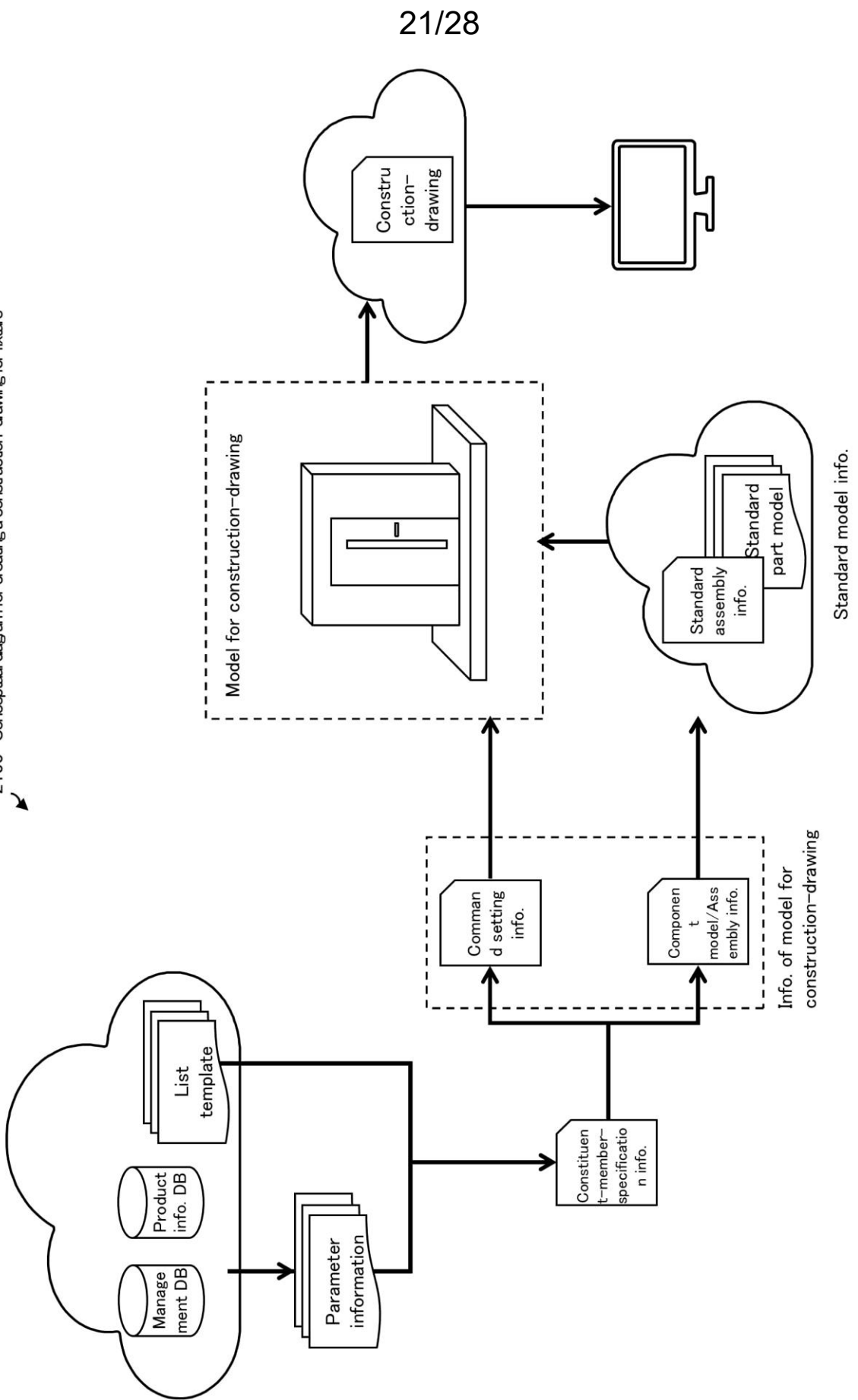
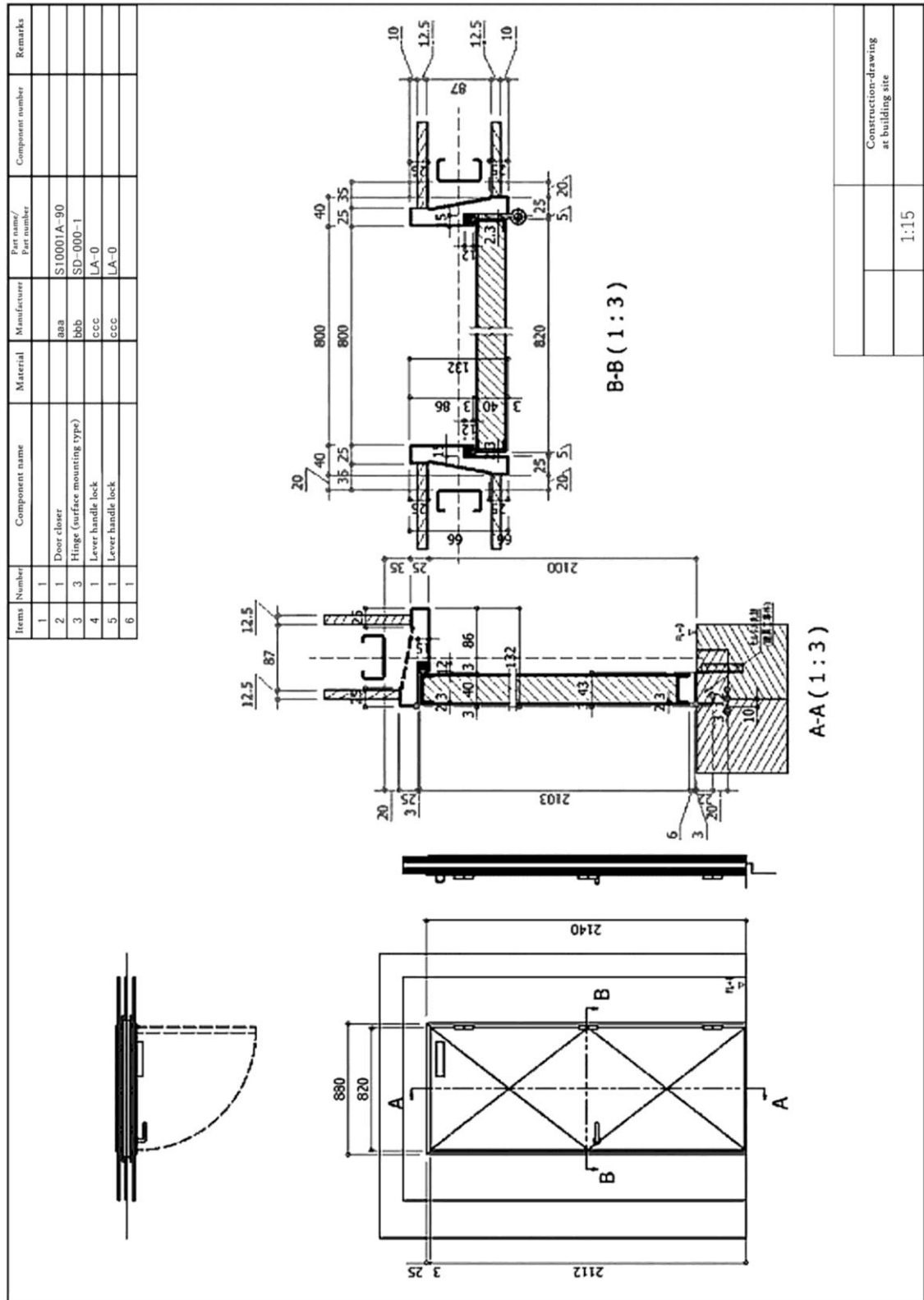


FIG.21

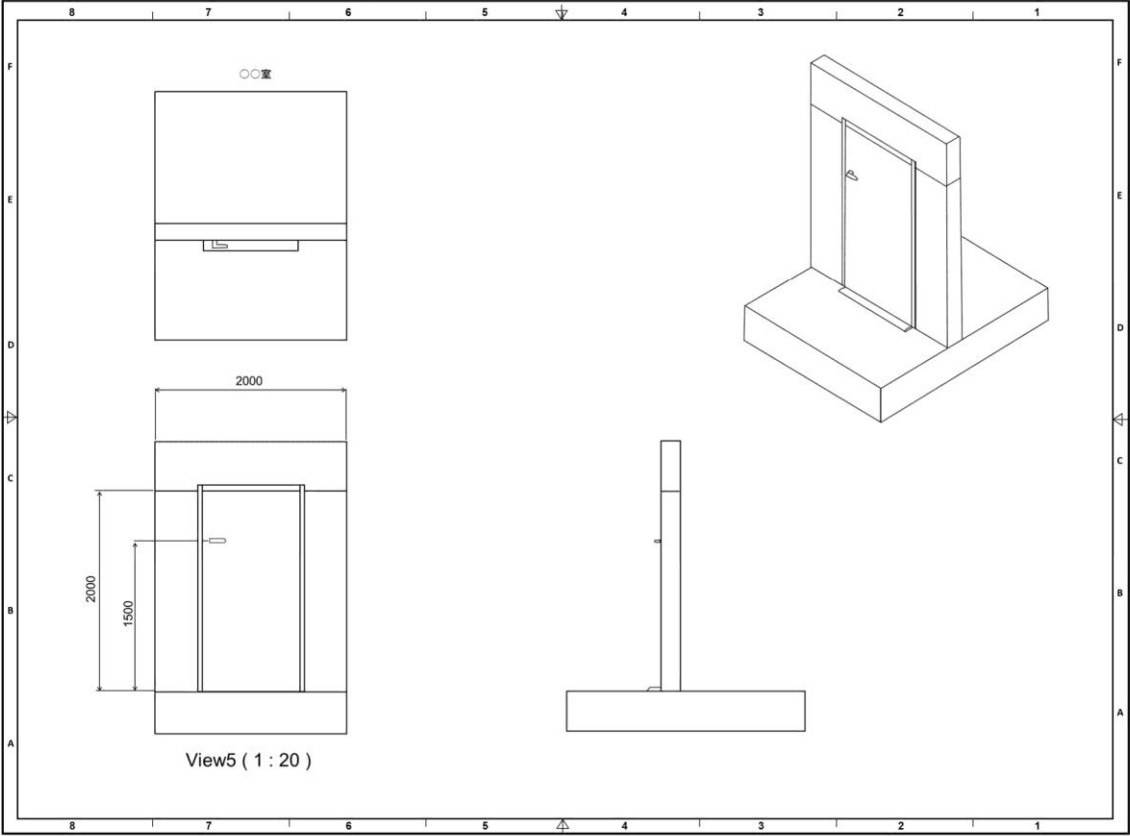
2100 Conceptual diagram for creating a construction-drawing for fixture



2200 Construction-drawing for fixture



2400 Construction-drawing for fixture



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FIG.25

2500 Awning information

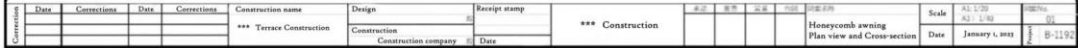
Field name	Value	Summary	
Awning ID	Eav000abc	It is an identification code of an awning	
Project ID	p002	It is an identification ID of a project	
Awning code	eaves-1	It is display information of a fixture in a target project	
Quantity	1	It is the number of the fixtures in the target project	
⋮	⋮	⋮	

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FIG.26

2600 Parameter information

2600 Parameter information					
No.	Parameter name	Value	Acquired info.	Supplementary info.	Summary
1	EavesInstL	2,300	✓		Mounting level
2	EavesD	1,850	✓		D size (Protruding width)
3	EavesW	4,750	✓		W size (Awning length)
4	EavesMta	AL	✓		Material
5	EavesFinish	BakFin	✓		Finishing
6	EavesHost	StdWall	✓		host
7	Model	SteelFrameSuspend		✓	model
8	Maker	FJKK		✓	Maker
9	Remarks	AlHoneycombP		✓	Description
10	BktMta	Steel		✓	Material of steel-frame bracket
11	BktFin	BakFin		✓	Finishing of steel-frame bracket
12	BktType	PL12.0、PL9.0		✓	Bracket type
13	BktHall-1X	350		✓	Bracket hole position 1-X
14	BktHall-1Y	275		✓	Bracket hole position 1-Y
15	BktHall-2X	350		✓	Bracket hole position 2-X
16	BktHall-2Y	1,285		✓	Bracket hole position 2-Y
17	BktHall-3X	3,950		✓	Bracket hole position 3-X
18	BktHall-3Y	275		✓	Bracket hole position 3-Y
19	BktHall-4X	3,950		✓	Bracket hole position 4-X
20	BktHall-4Y	1,285		✓	Bracket hole position 4-Y
21	RainGutter	Yes		✓	Existence of gutter
22	WeepHoleP	Left		✓	Drain of gutter
23	DrainMta	Al2.0t		✓	Material of drainer
24	DrainFin	EleColoSil		✓	Finishing of drainer
25	DrainL	4,750		✓	Sizes of drainer
⋮	⋮	⋮	⋮	⋮	

2700 Construction-drawing for awning



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2800 Construction-drawing for awning

