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Fig.1

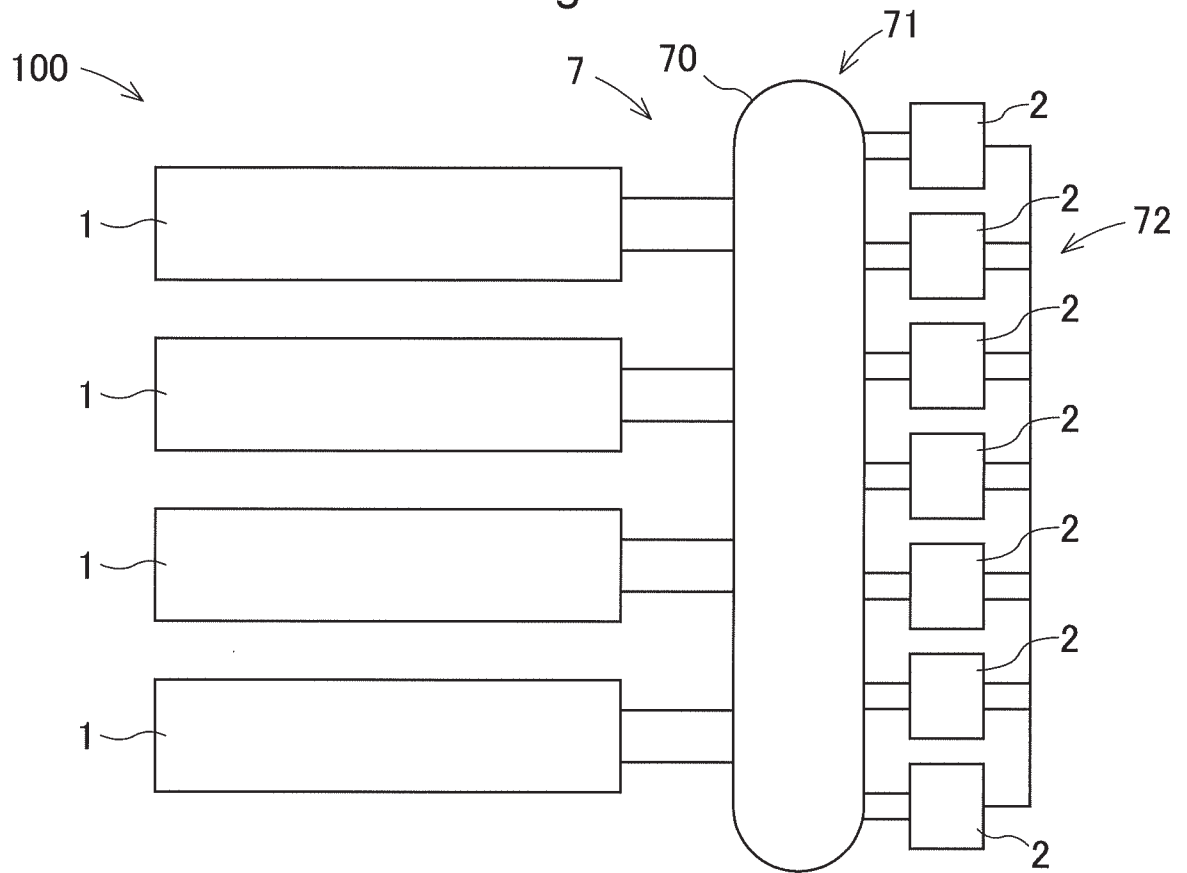
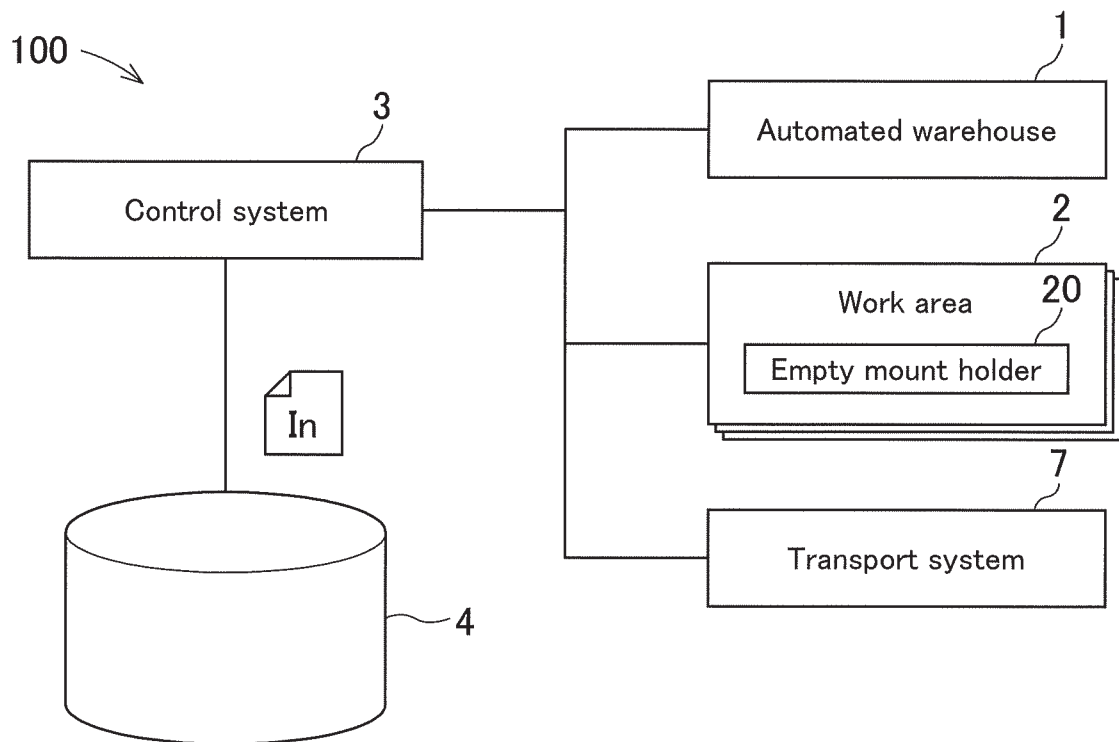


Fig.2



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Fig.3

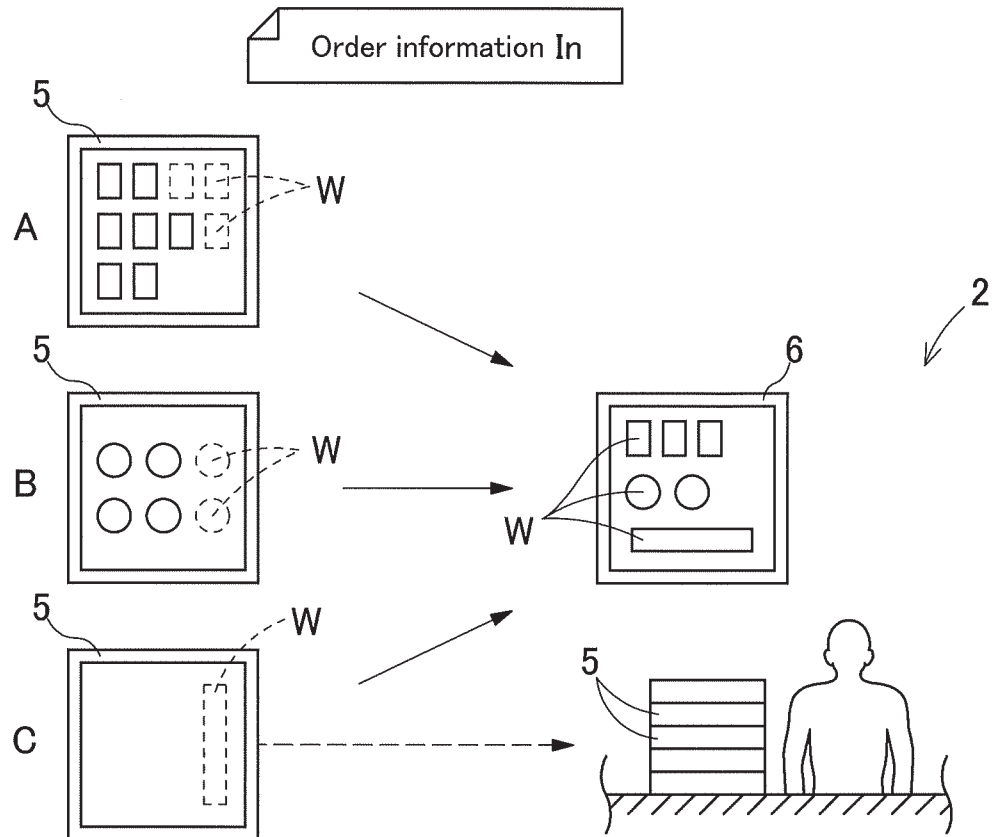
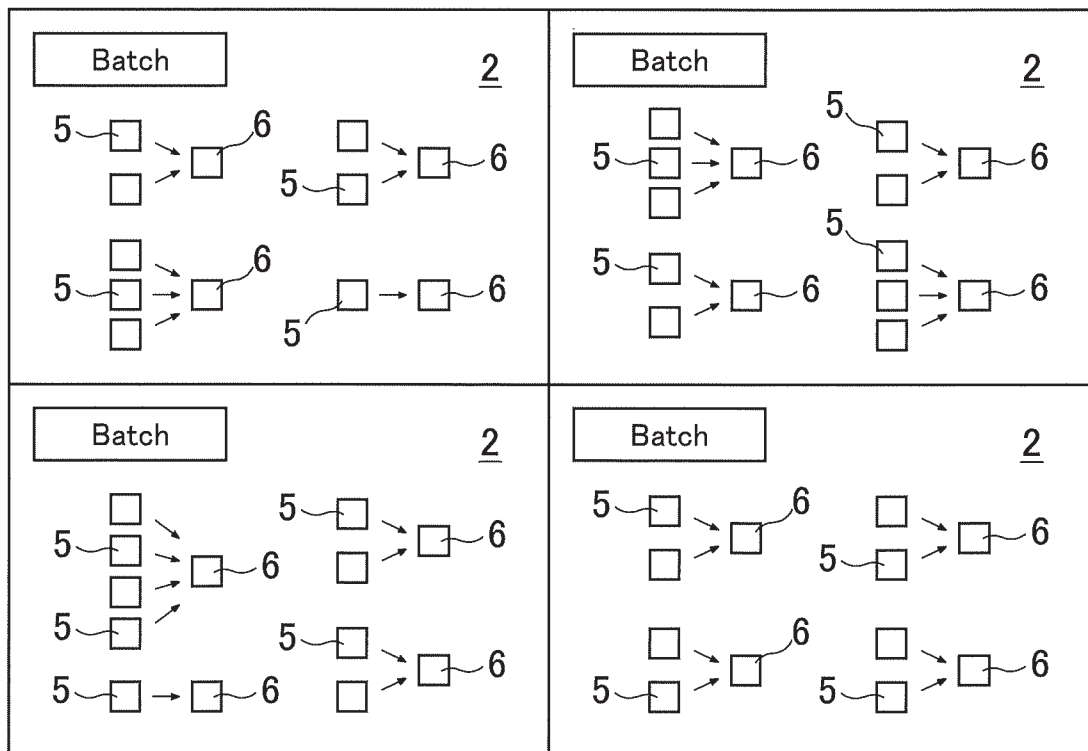


Fig.4



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Fig.5

Type	Order count Na
A	200
B	196
C	180
D	165
⋮	⋮
X	6
Y	5
Z	16

Fig.6

Type	Order count Na	Nb	N1	Nc	N2
⋮	⋮	⋮	⋮	⋮	⋮
X	6	2	0.33	2	1.00
Y	5	1	0.20	2	0.50
Z	16	1	0.06	4	0.25

※Set number: 4

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Fig.7

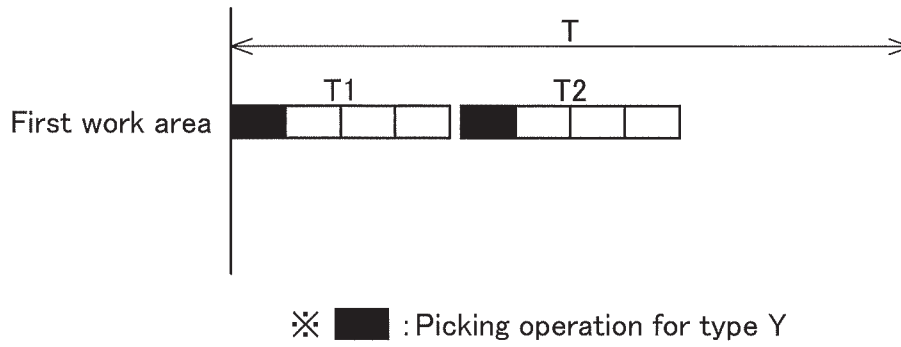


Fig.8

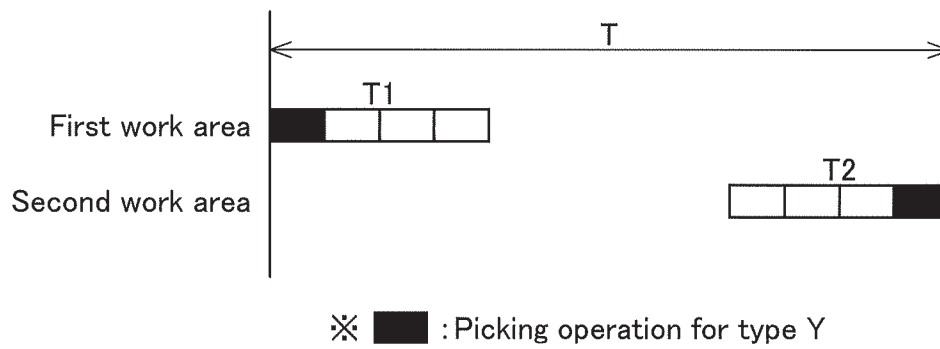
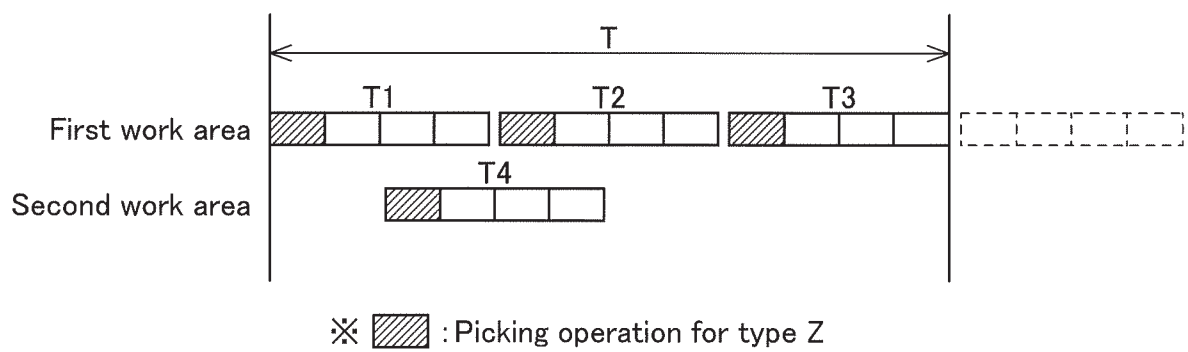
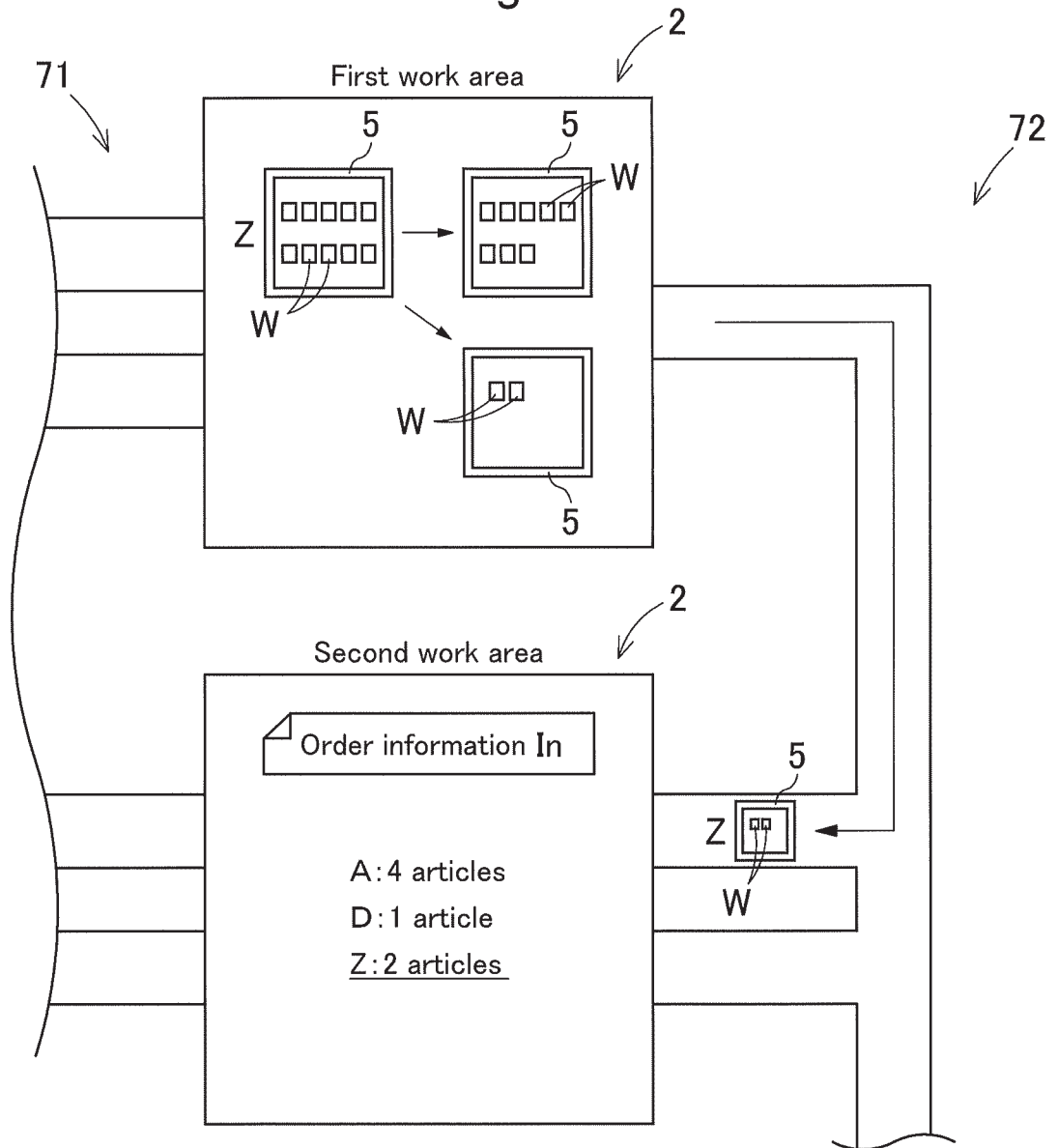


Fig.9



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Fig.10



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Fig.11

Va

Order of shipment frequency	Type	Type value	
1	A	32	→ 2^5
2	B	16	→ 2^4
3	C	8	→ 2^3
4	D	4	→ 2^2
5	E	2	→ 2^1
6	F	1	→ 2^0

M
N

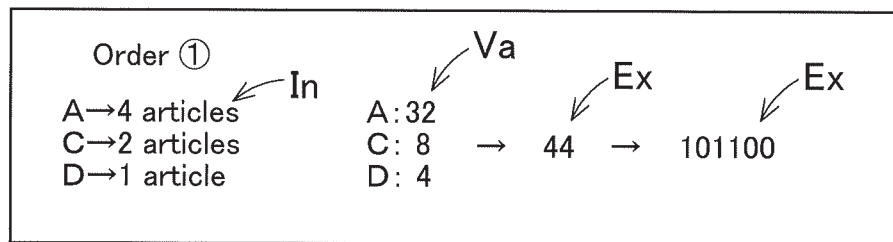


Fig.12

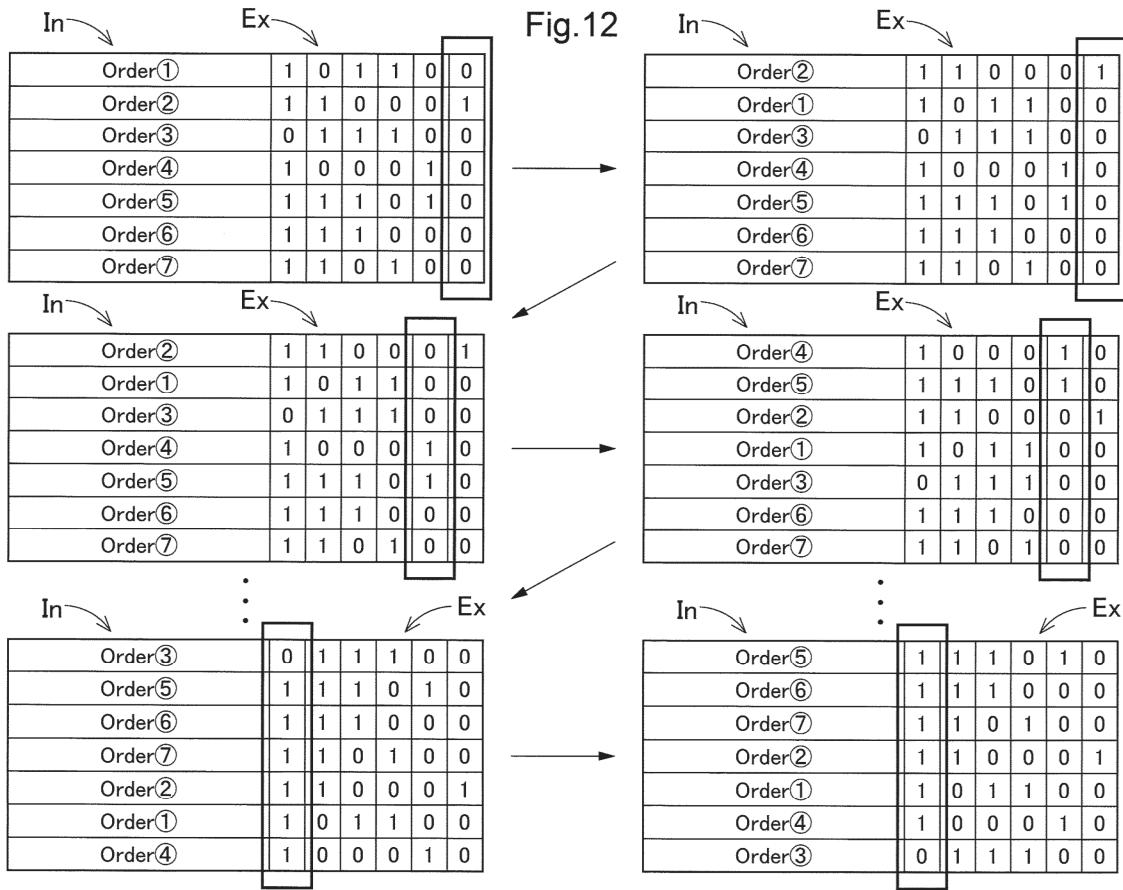


Fig.13

After stable sort							Work area
Order⑤	1	1	1	0	1	0	Third work area
Order⑥	1	1	1	0	0	0	
Order⑦	1	1	0	1	0	0	Fourth work area
Order②	1	1	0	0	0	1	
Order①	1	0	1	1	0	0	Fifth work area
Order④	1	0	0	0	1	0	
Order③	0	1	1	1	0	0	Sixth work area
In ⋮ Ex							
2 ⋮							

Fig.14

