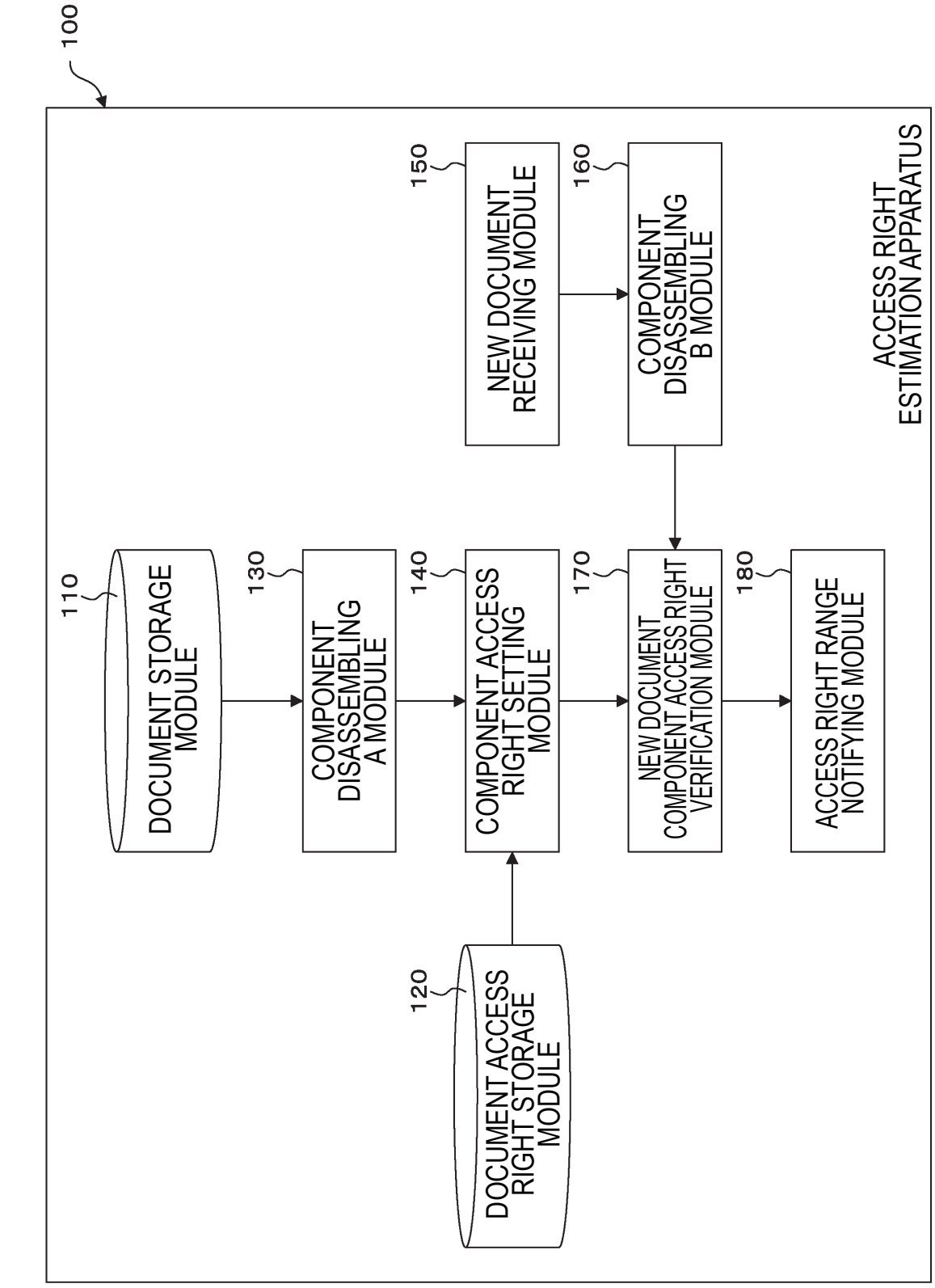

100
ACCESS RIGHT ESTIMATION APPARATUS
110
DOCUMENT STORAGE MODULE
120
DOCUMENT ACCESS RIGHT STORAGE MODULE
130
COMPONENT DISASSEMBLING A MODULE
140
COMPONENT ACCESS RIGHT SETTING MODULE
150
NEW DOCUMENT RECEIVING MODULE
160
COMPONENT DISASSEMBLING B MODULE
170
NEW DOCUMENT COMPONENT ACCESS RIGHT VERIFICATION MODULE
180
ACCESS RIGHT RANGE NOTIFYING MODULE

FIG. 1

FIG. 2

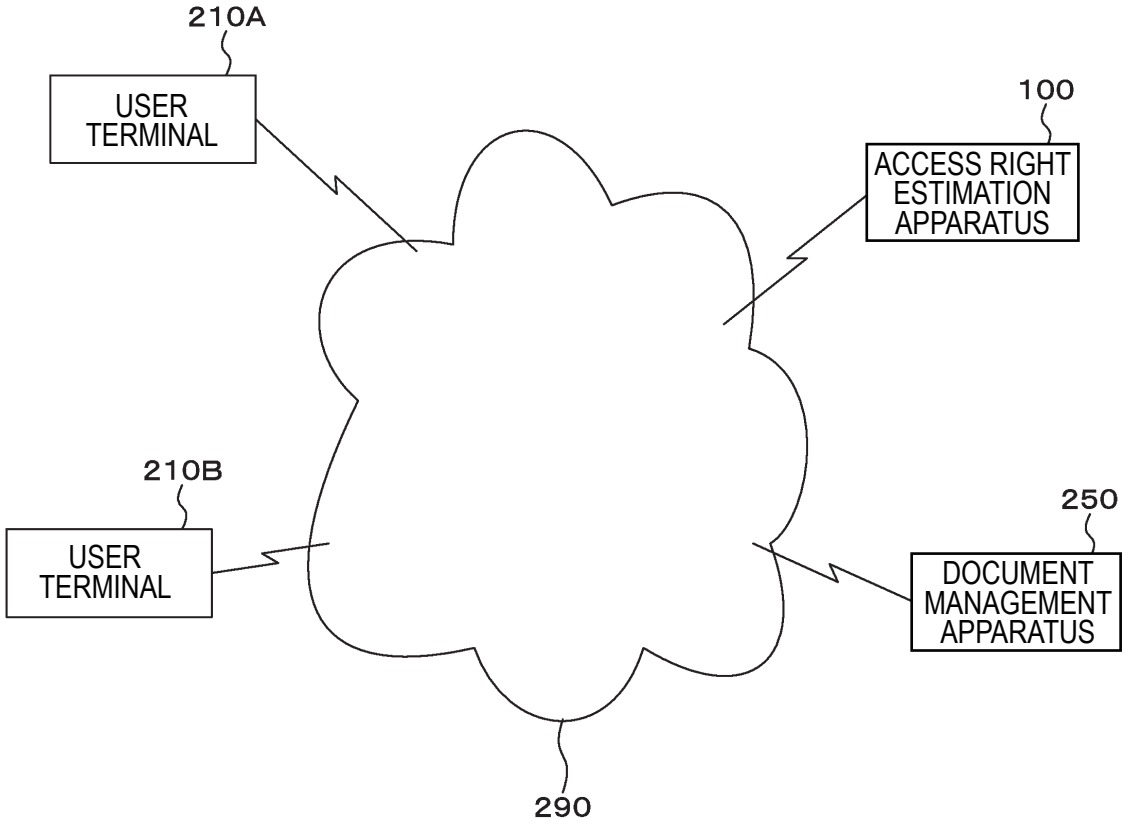

210A
USER TERMINAL
100
ACCESS RIGHT ESTIMATION APPARATUS
210B
USER TERMINAL
250
DOCUMENT MANAGEMENT APPARATUS
290

FIG. 3

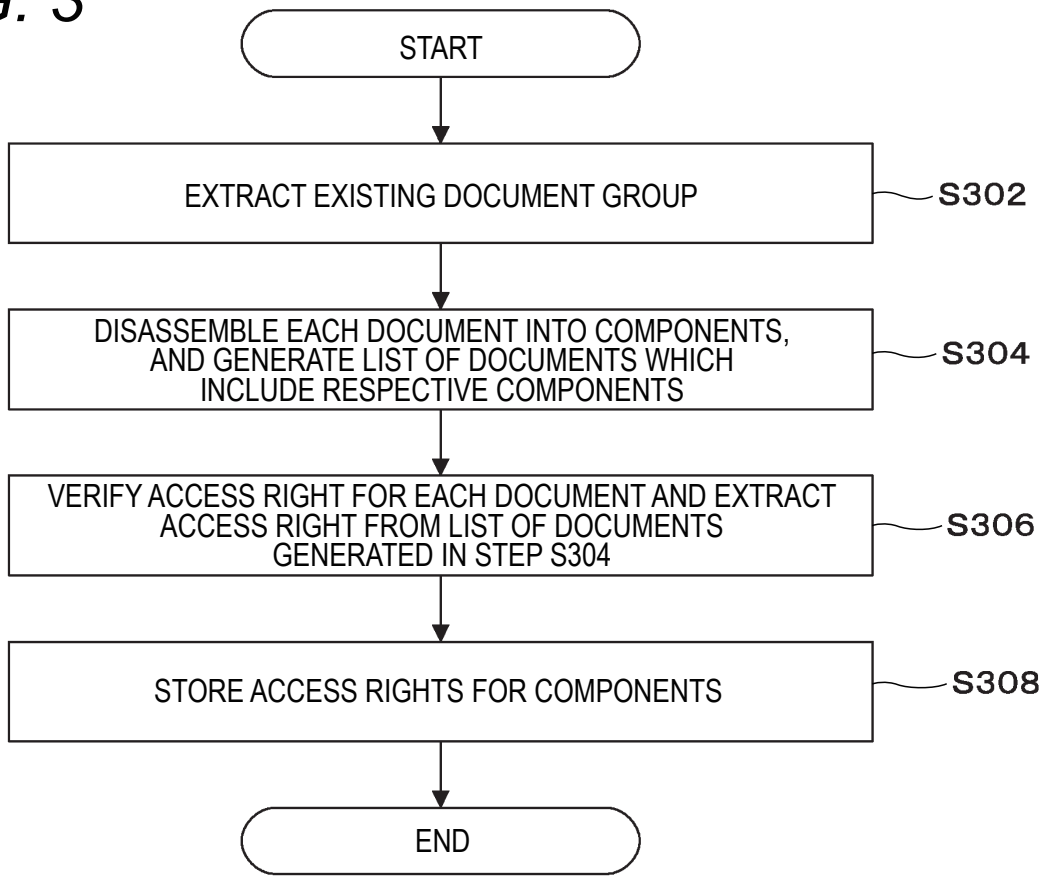

START
EXTRACT EXISTING DOCUMENT GROUP
S302
DISASSEMBLE EACH DOCUMENT INTO COMPONENTS, AND GENERATE LIST OF DOCUMENTS WHICH INCLUDE RESPECTIVE COMPONENTS
S304
VERIFY ACCESS RIGHT FOR EACH DOCUMENT AND EXTRACT ACCESS RIGHT FROM LIST OF DOCUMENTS GENERATED IN STEP S304
S306
STORE ACCESS RIGHTS FOR COMPONENTS
S308
END

FIG. 4

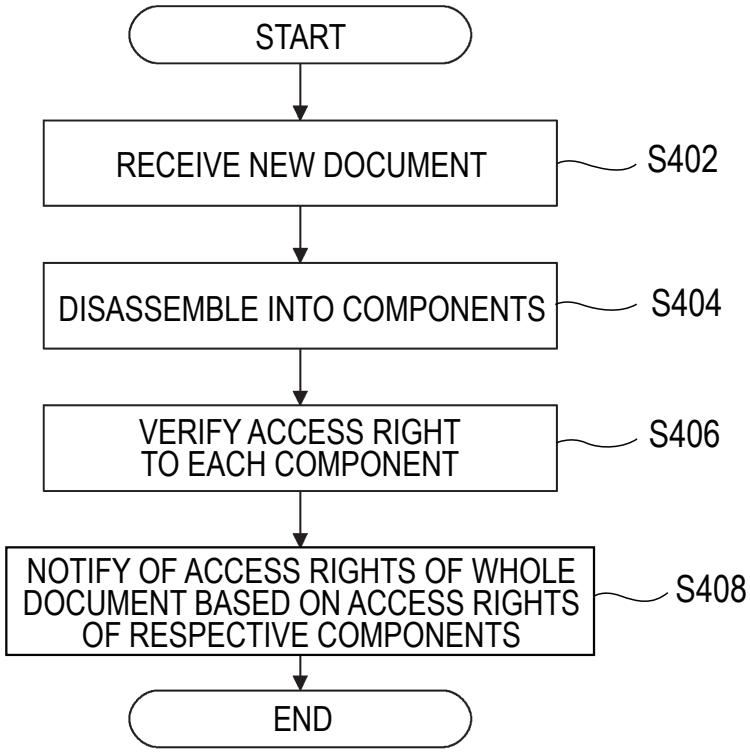


FIG. 5

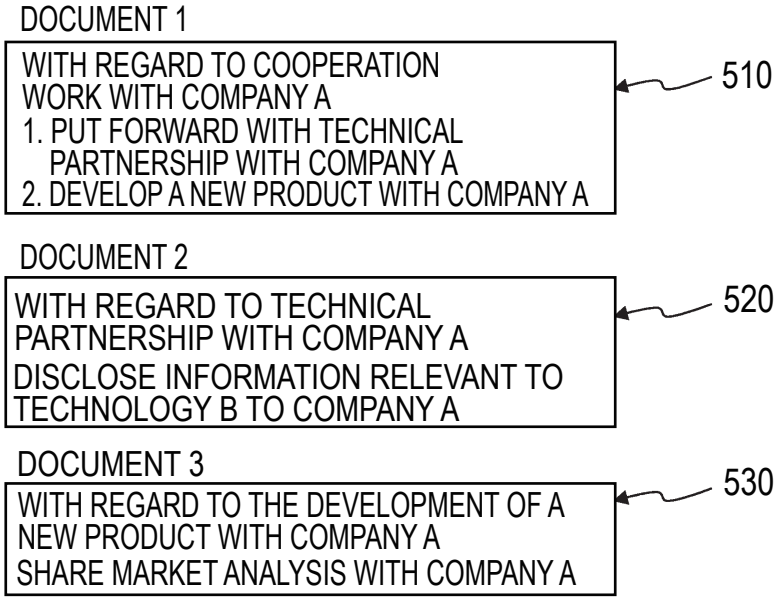


FIG. 6

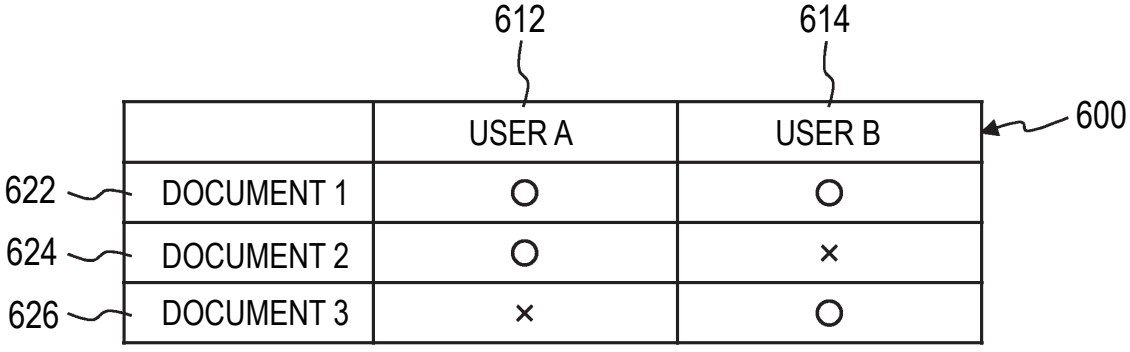


FIG. 7

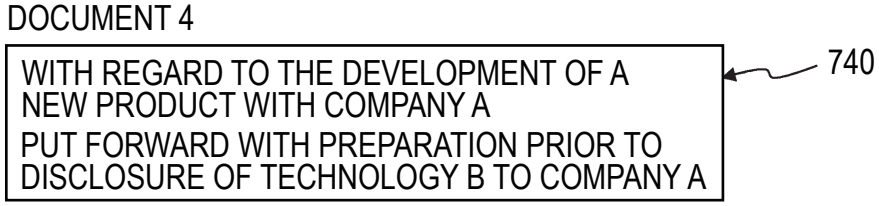


FIG. 8A

812 SORTING WORD	814 WORD COMBINATION
COMPANY A, COOPERATION WORK	COMPANY A-COOPERATION WORK
COMPANY A, TECHNICAL PARTNERSHIP	COMPANY A-TECHNICAL PARTNERSHIP
COMPANY A, NEW PRODUCT, DEVELOP	COMPANY A-NEW PRODUCT, COMPANY A-DEVELOP, NEW PRODUCT-DEVELOP

810

FIG. 8B

822 SORTING WORD	824 WORD COMBINATION
COMPANY A, TECHNICAL PARTNERSHIP	COMPANY A-TECHNICAL PARTNERSHIP
COMPANY A, TECHNOLOGY B, DISCLOSE	COMPANY A-TECHNOLOGY B, COMPANY A-DISCLOSE, TECHNOLOGY B-DISCLOSE

820

FIG. 8C

832 SORTING WORD	834 WORD COMBINATION
COMPANY A, NEW PRODUCT, DEVELOP	COMPANY A-NEW PRODUCT, COMPANY A-DEVELOP, NEW PRODUCT-DEVELOP
COMPANY A, MARKET ANALYSIS, SHARE	COMPANY A-MARKET ANALYSIS, COMPANY A-SHARE, MARKET ANALYSIS-SHARE

830

FIG. 8D

842 SORTING WORD	844 WORD COMBINATION
COMPANY A, NEW PRODUCT, DEVELOP	COMPANY A-NEW PRODUCT, COMPANY A-DEVELOP, NEW PRODUCT-DEVELOP
COMPANY A, TECHNOLOGY B, DISCLOSE	COMPANY A-TECHNOLOGY B, COMPANY A-DISCLOSE, TECHNOLOGY B-DISCLOSE

840

FIG. 9

WORD COMBINATION (910)	DOCUMENT 1 (920)	DOCUMENT 2 (930)	DOCUMENT 3 (940)	DOCUMENT 4 (950)
COMPANY A-COOPERATION WORK	✓			
COMPANY A-TECHNICAL PARTNERSHIP	✓	✓		
COMPANY A-NEW PRODUCT	✓		✓	✓
COMPANY A-DEVELOP	✓		✓	✓
NEW PRODUCT-DEVELOP	✓		✓	✓
COMPANY A-TECHNOLOGY B		✓		✓
COMPANY A-DISCLOSE		✓		✓
TECHNOLOGY B-DISCLOSE		✓		✓
COMPANY A-MARKET ANALYSIS			✓	
COMPANY A-SHARE			✓	
MARKET ANALYSIS-SHARE			✓	

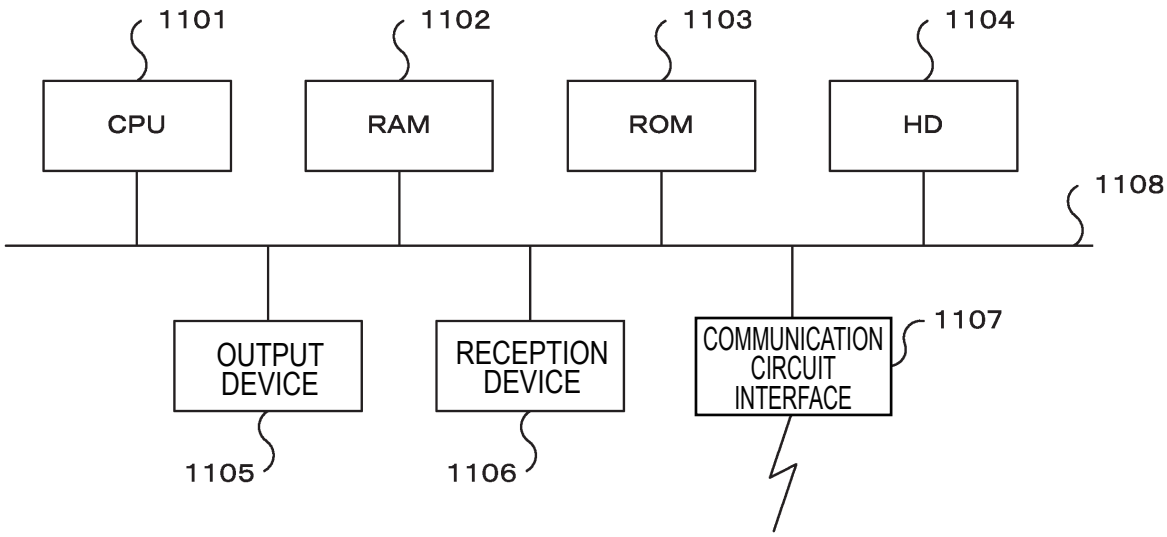
900

FIG. 10

WORD COMBINATION (1010)	USER A (1020)	USER B (1030)	DOCUMENT 4 (1040)
COMPANY A-COOPERATION WORK	○	○	
COMPANY A-TECHNICAL PARTNERSHIP	○	○	
COMPANY A-NEW PRODUCT	○	○	✓
COMPANY A-DEVELOP	○	○	✓
NEW PRODUCT-DEVELOP	○	○	✓
COMPANY A-TECHNOLOGY B	○		✓
COMPANY A-DISCLOSE	○		✓
TECHNOLOGY B-DISCLOSE	○		✓
COMPANY A-MARKET ANALYSIS		○	
COMPANY A-SHARE		○	
MARKET ANALYSIS-SHARE		○	

1000

FIG. 11


1101
1102
1103
1104
CPU
RAM
ROM
HD
1108
OUTPUT DEVICE
RECEPTION DEVICE
COMMUNICATION CIRCUIT INTERFACE
1107
1105
1106