FIG.1

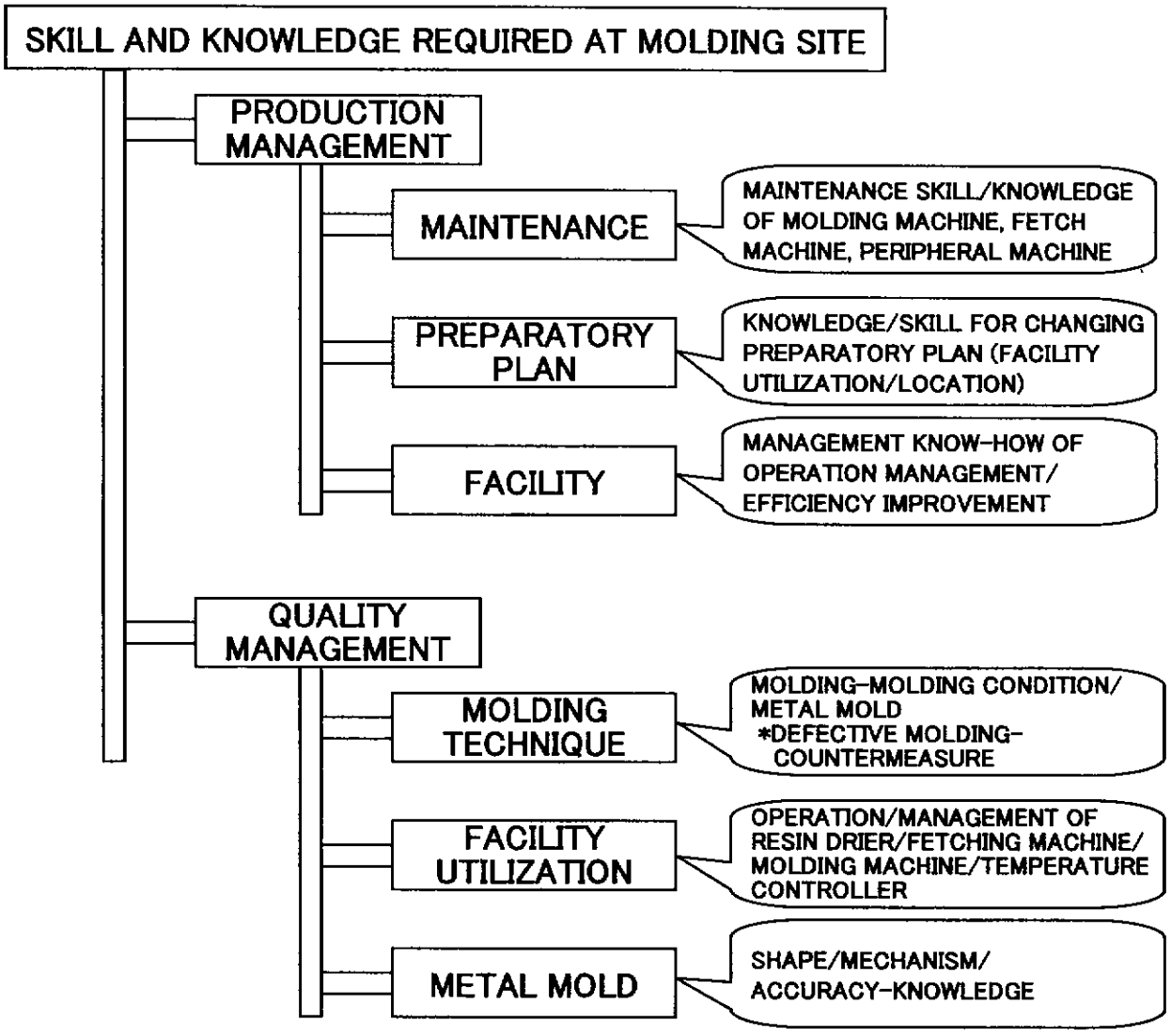

SKILL AND KNOWLEDGE REQUIRED AT MOLDING SITE
PRODUCTION MANAGEMENT
MAINTENANCE
MAINTENANCE SKILL/KNOWLEDGE OF MOLDING MACHINE, FETCH MACHINE, PERIPHERAL MACHINE
PREPARATORY PLAN
KNOWLEDGE/SKILL FOR CHANGING PREPARATORY PLAN (FACILITY UTILIZATION/LOCATION)
FACILITY
MANAGEMENT KNOW-HOW OF OPERATION MANAGEMENT/ EFFICIENCY IMPROVEMENT
QUALITY MANAGEMENT
MOLDING TECHNIQUE
MOLDING-MOLDING CONDITION/ METAL MOLD *DEFECTIVE MOLDING-COUNTERMEASURE
FACILITY UTILIZATION
OPERATION/MANAGEMENT OF RESIN DRIER/FETCHING MACHINE/ MOLDING MACHINE/TEMPERATURE CONTROLLER
METAL MOLD
SHAPE/MECHANISM/ ACCURACY-KNOWLEDGE

FIG.2

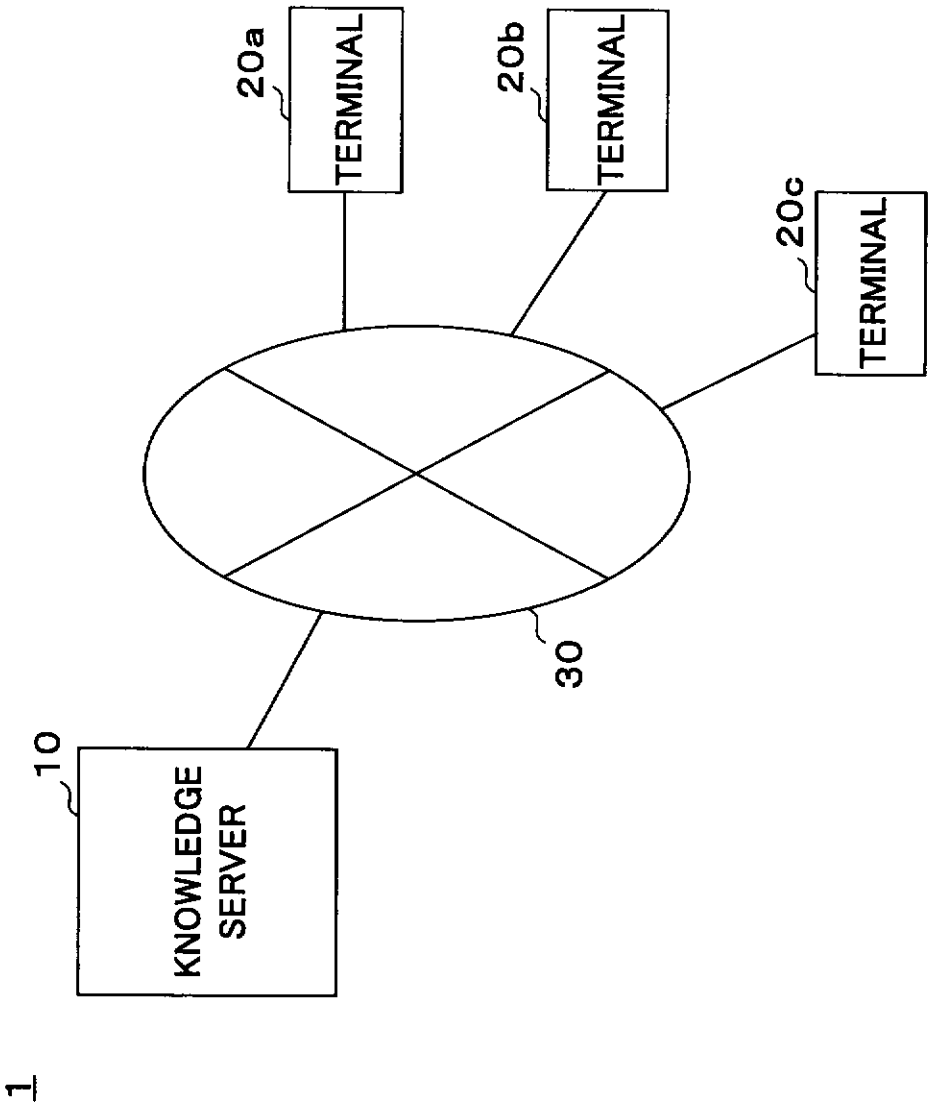

1
10
KNOWLEDGE SERVER
30
20a
TERMINAL
20b
TERMINAL
20c
TERMINAL

FIG.3

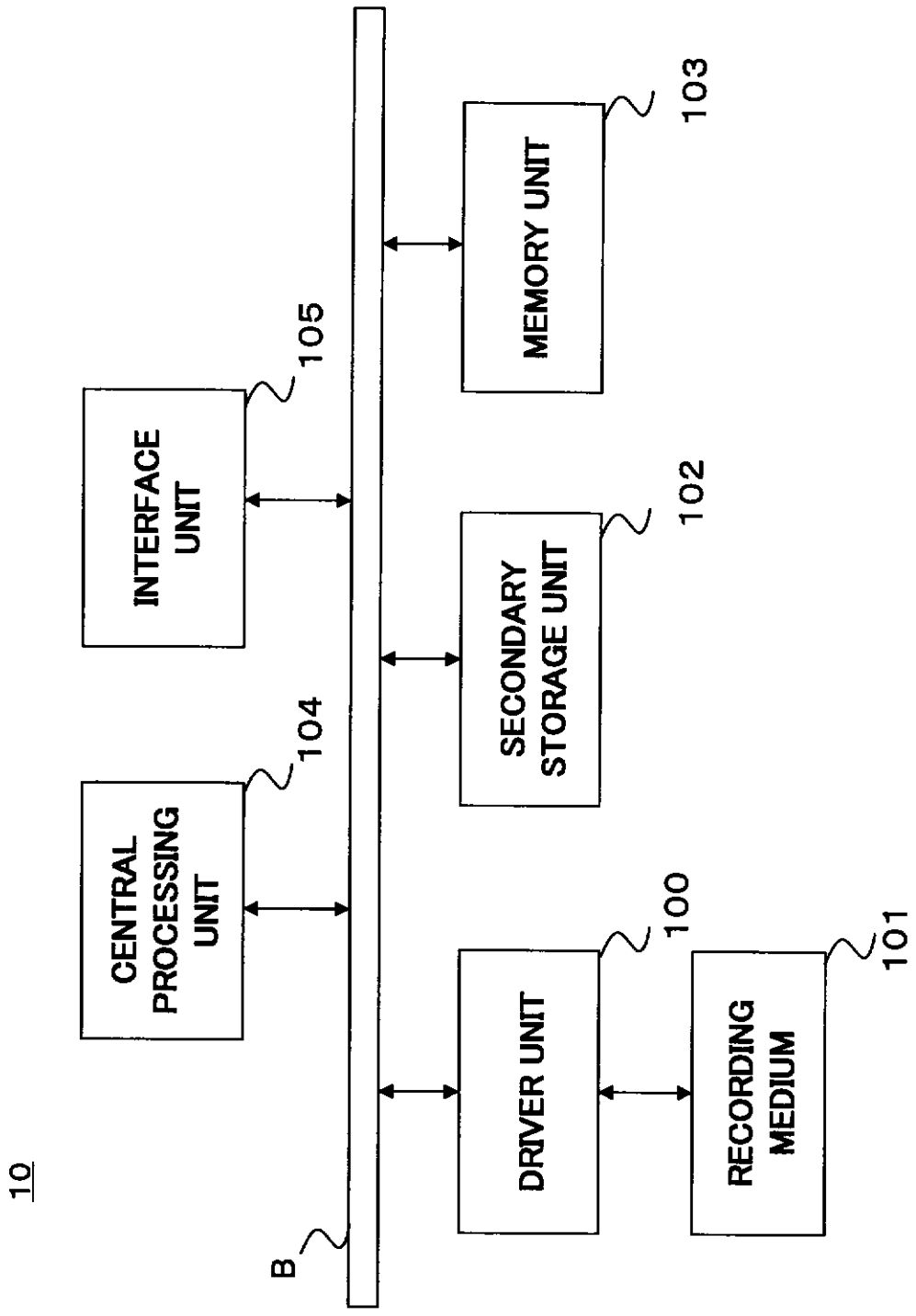

10
B
CENTRAL PROCESSING UNIT
104
INTERFACE UNIT
105
DRIVER UNIT
100
SECONDARY STORAGE UNIT
102
MEMORY UNIT
103
RECORDING MEDIUM
101

FIG.4

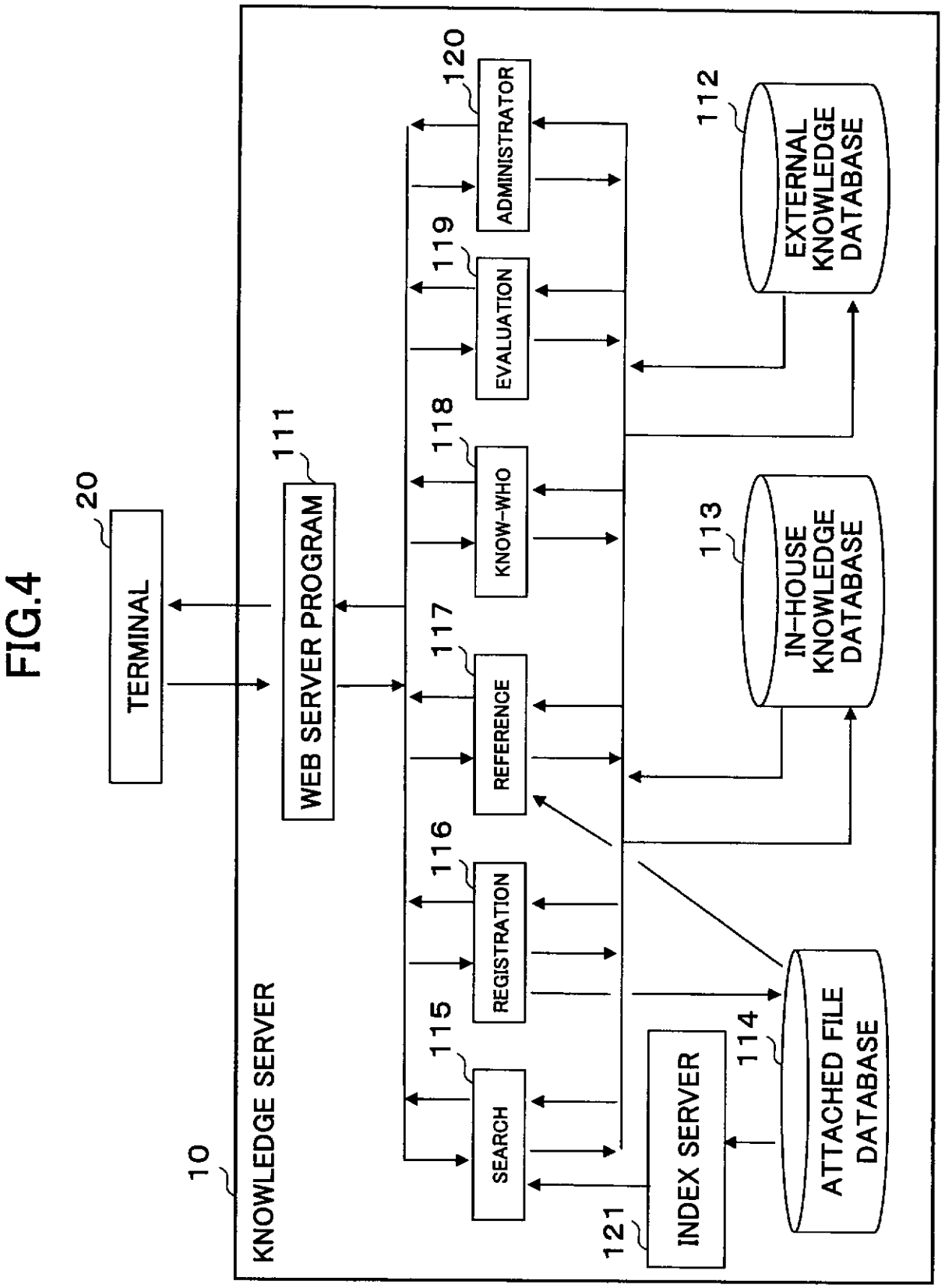

TERMINAL
20
WEB SERVER PROGRAM
111
KNOWLEDGE SERVER
10
ADMINISTRATOR
120
EVALUATION
119
KNOW-WHO
118
REFERENCE
117
REGISTRATION
116
SEARCH
115
INDEX SERVER
121
EXTERNAL KNOWLEDGE DATABASE
112
IN-HOUSE KNOWLEDGE DATABASE
113
ATTACHED FILE DATABASE
114

FIG.5

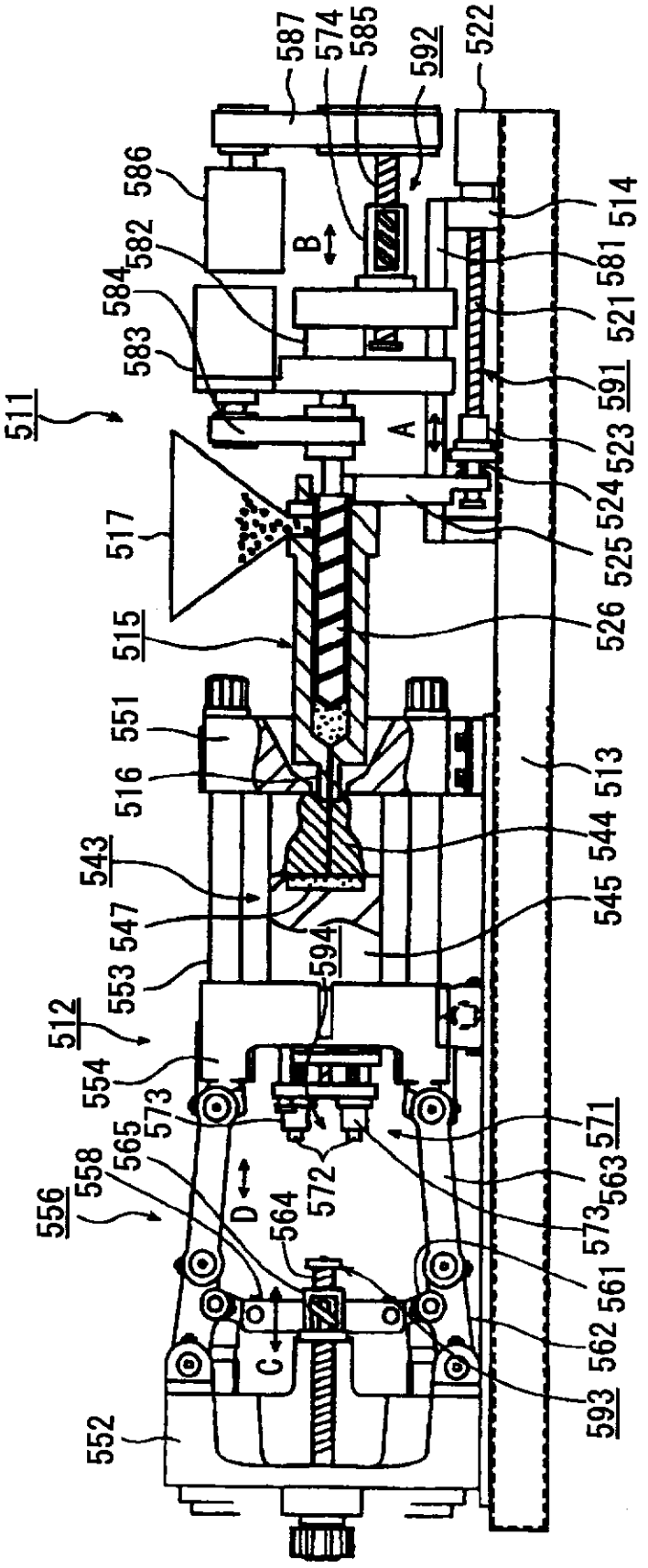

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593
594
A
B
C
D

FIG.6

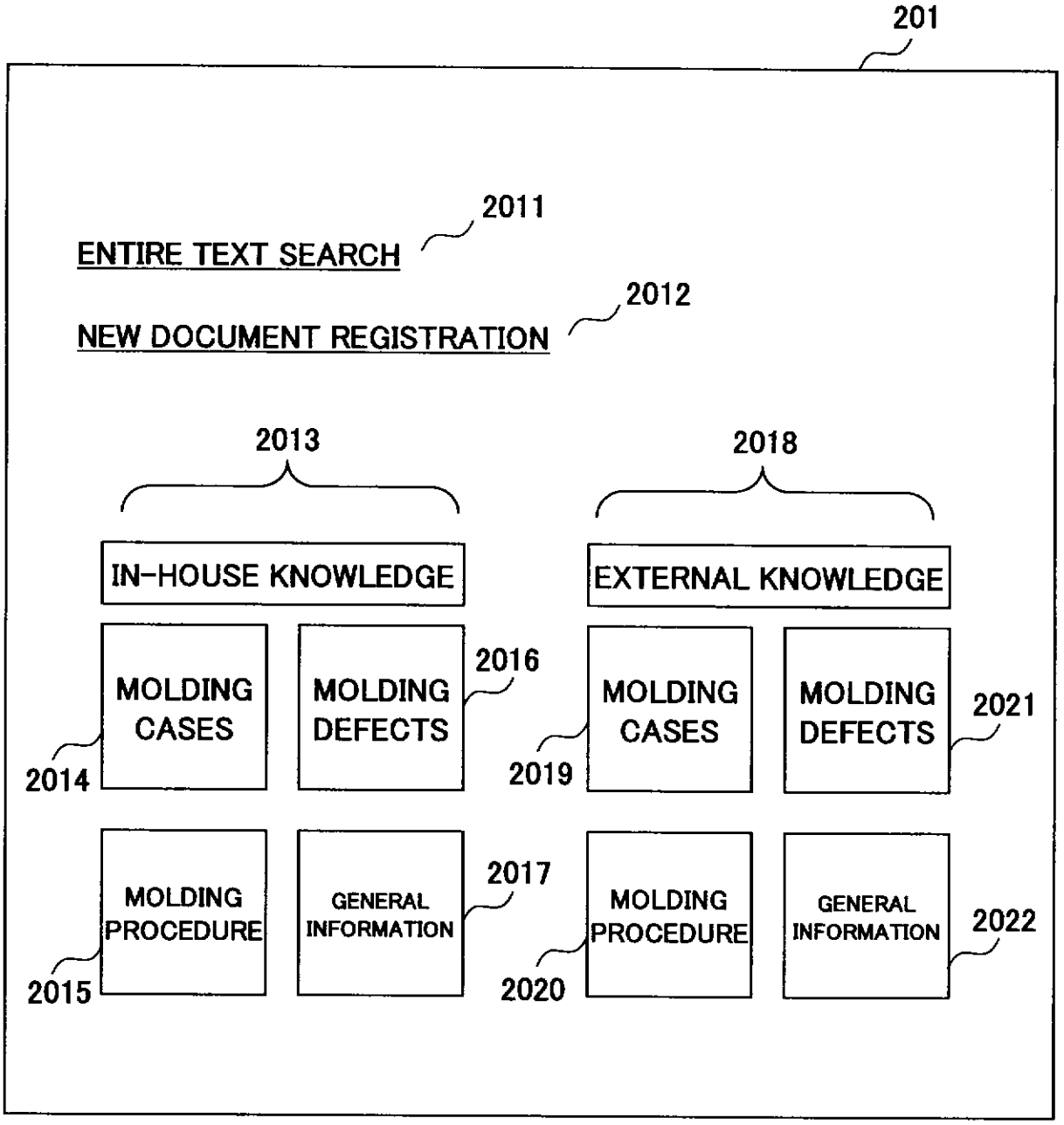

201
2011
ENTIRE TEXT SEARCH
2012
NEW DOCUMENT REGISTRATION
2013
2018
IN-HOUSE KNOWLEDGE
EXTERNAL KNOWLEDGE
MOLDING CASES
MOLDING DEFECTS
2016
2014
MOLDING CASES
MOLDING DEFECTS
2021
2019
MOLDING PROCEDURE
GENERAL INFORMATION
2017
2015
MOLDING PROCEDURE
GENERAL INFORMATION
2022
2020

FIG.7

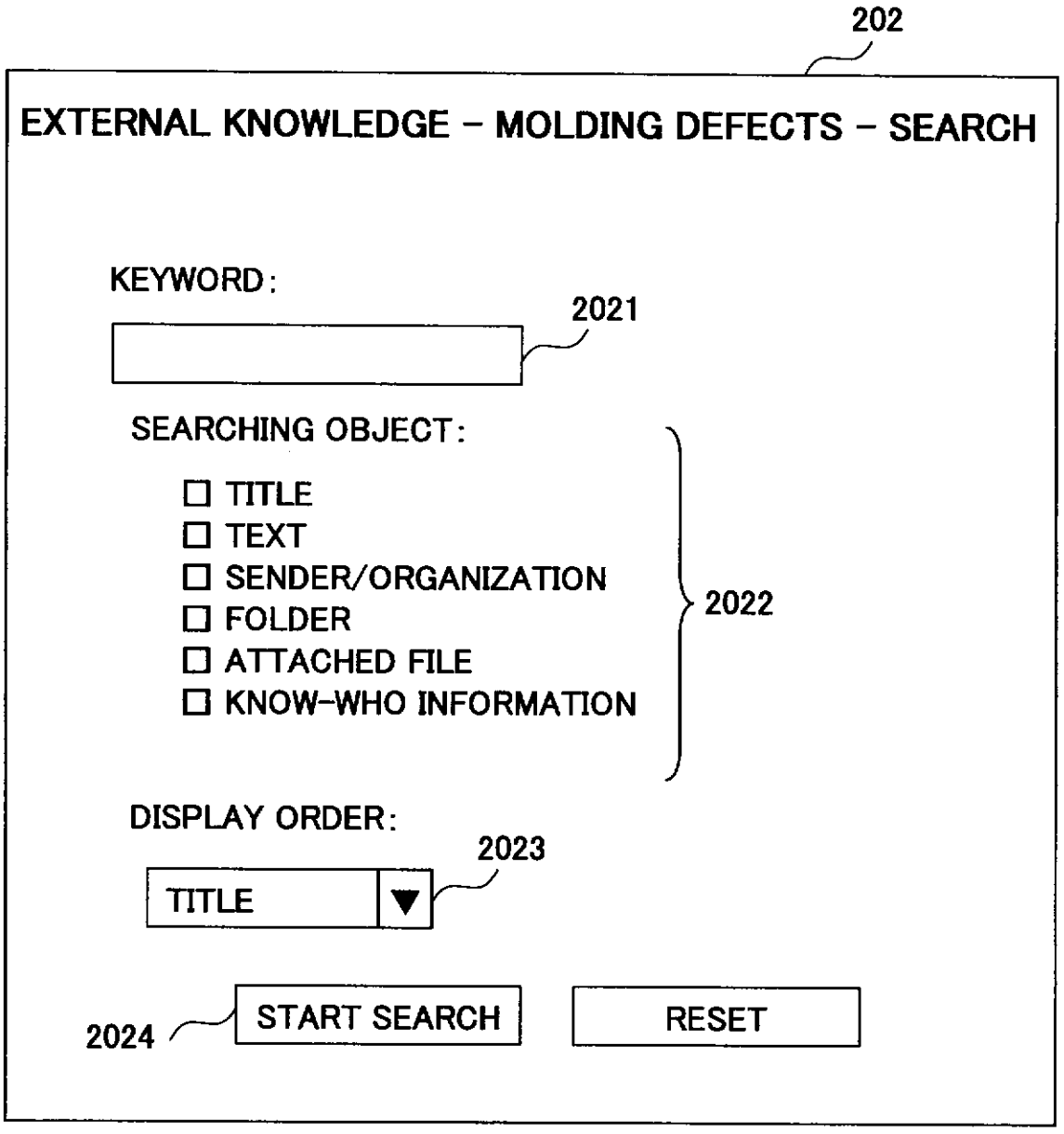

202
EXTERNAL KNOWLEDGE – MOLDING DEFECTS – SEARCH
KEYWORD:
2021
SEARCHING OBJECT:
TITLE
TEXT
SENDER/ORGANIZATION
FOLDER
ATTACHED FILE
KNOW-WHO INFORMATION
2022
DISPLAY ORDER:
2023
TITLE
2024
START SEARCH
RESET

FIG.8

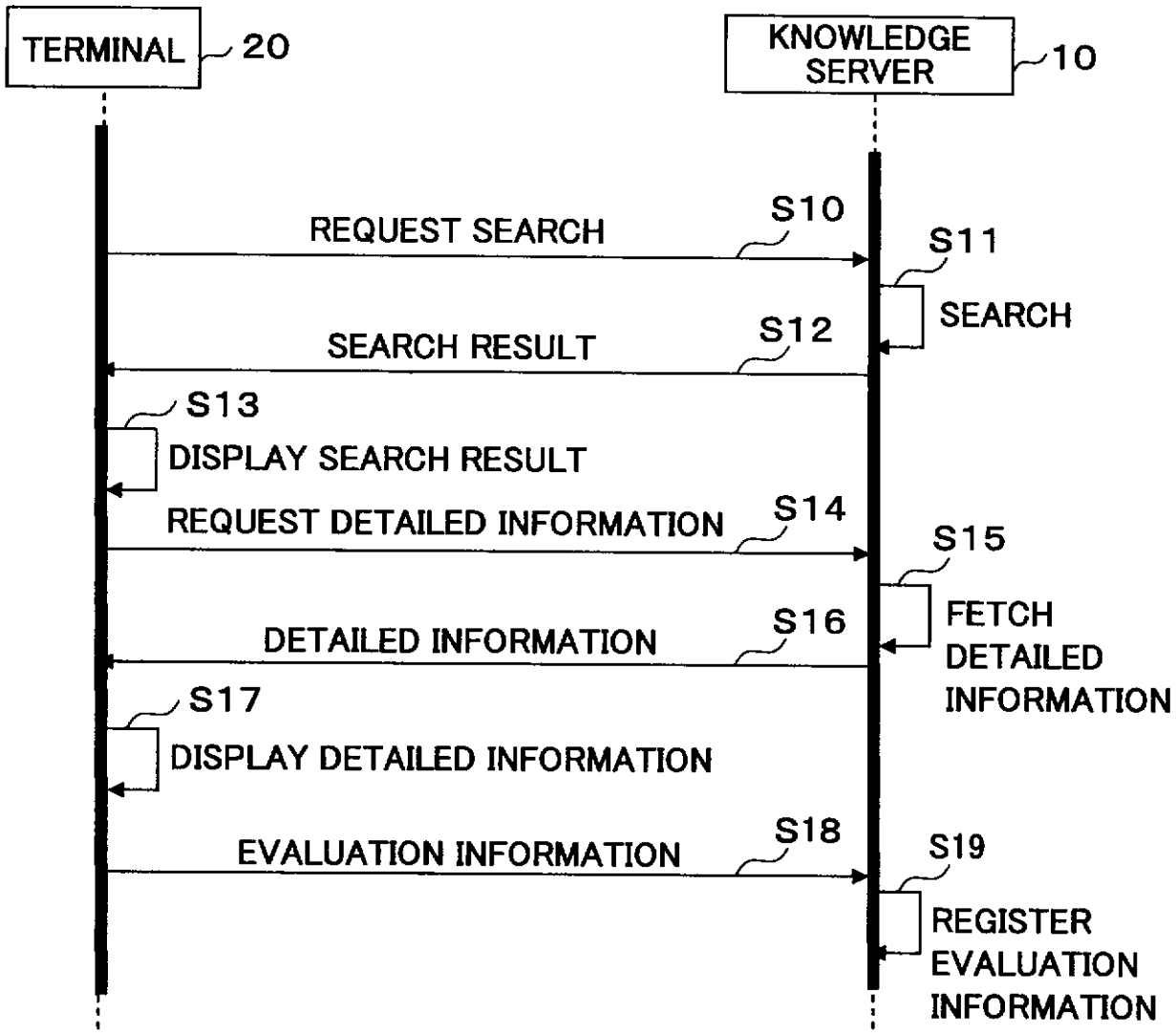

TERMINAL
20
KNOWLEDGE SERVER
10
REQUEST SEARCH
S10
S11
SEARCH
SEARCH RESULT
S12
S13
DISPLAY SEARCH RESULT
REQUEST DETAILED INFORMATION
S14
S15
FETCH DETAILED INFORMATION
DETAILED INFORMATION
S16
S17
DISPLAY DETAILED INFORMATION
EVALUATION INFORMATION
S18
S19
REGISTER EVALUATION INFORMATION

FIG.9

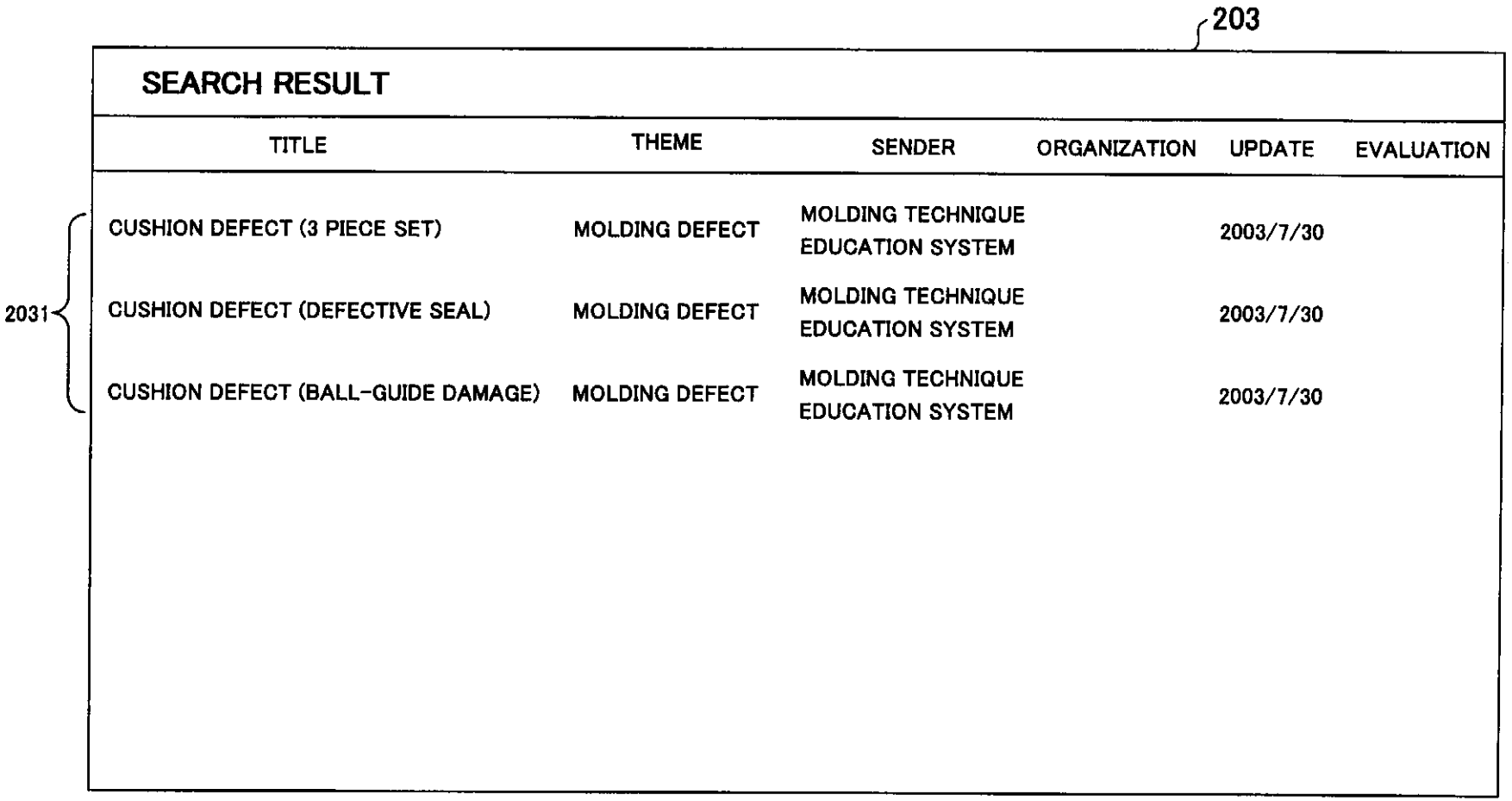

203
SEARCH RESULT
TITLE
THEME
SENDER
ORGANIZATION
UPDATE
EVALUATION
2031
CUSHION DEFECT (3 PIECE SET)
MOLDING DEFECT
MOLDING TECHNIQUE EDUCATION SYSTEM
2003/7/30
CUSHION DEFECT (DEFECTIVE SEAL)
MOLDING DEFECT
MOLDING TECHNIQUE EDUCATION SYSTEM
2003/7/30
CUSHION DEFECT (BALL-GUIDE DAMAGE)
MOLDING DEFECT
MOLDING TECHNIQUE EDUCATION SYSTEM
2003/7/30

FIG.10

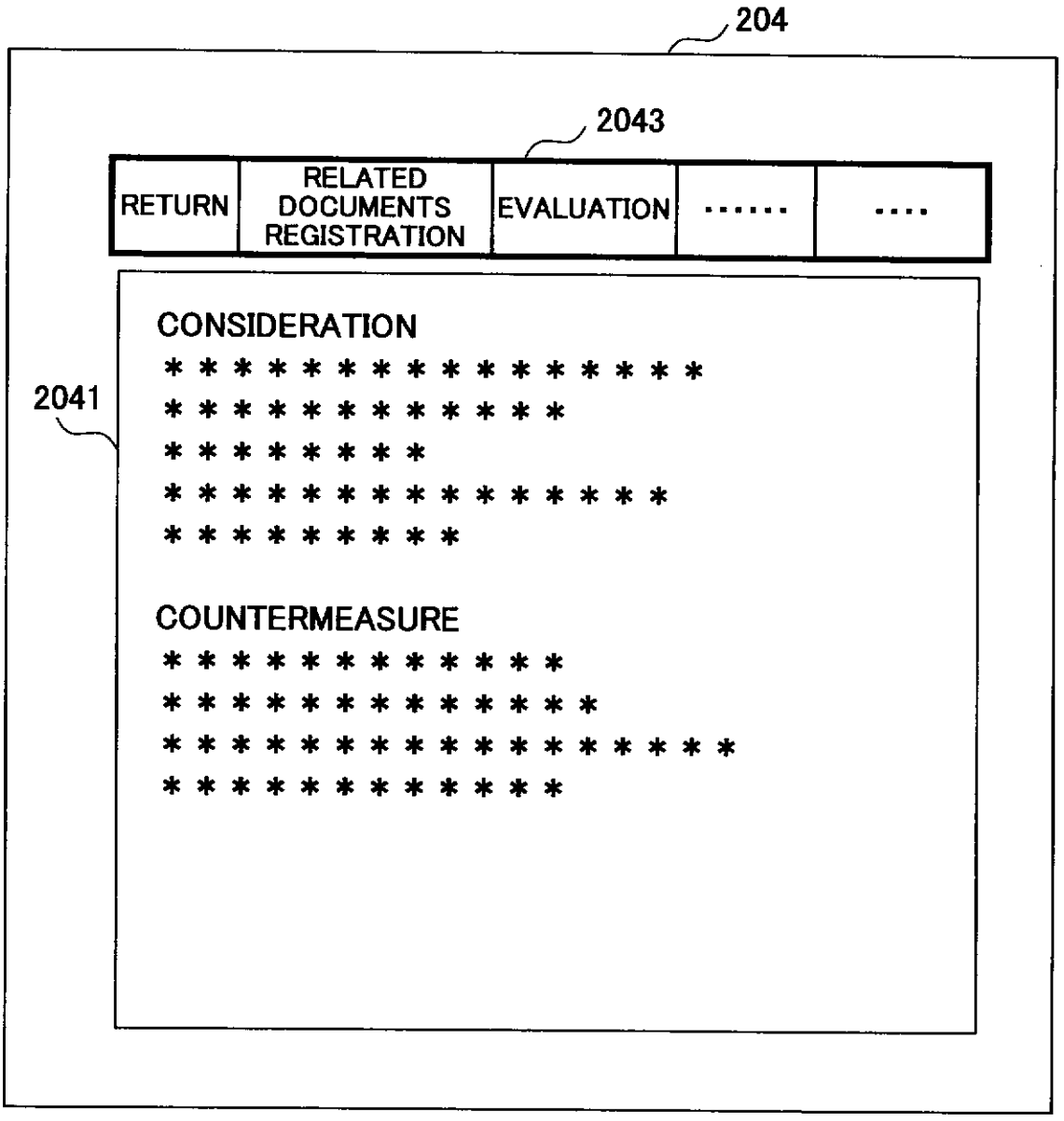

204
2043
RETURN
RELATED DOCUMENTS REGISTRATION
EVALUATION
.....
....
2041
CONSIDERATION
* * * *

FIG.11

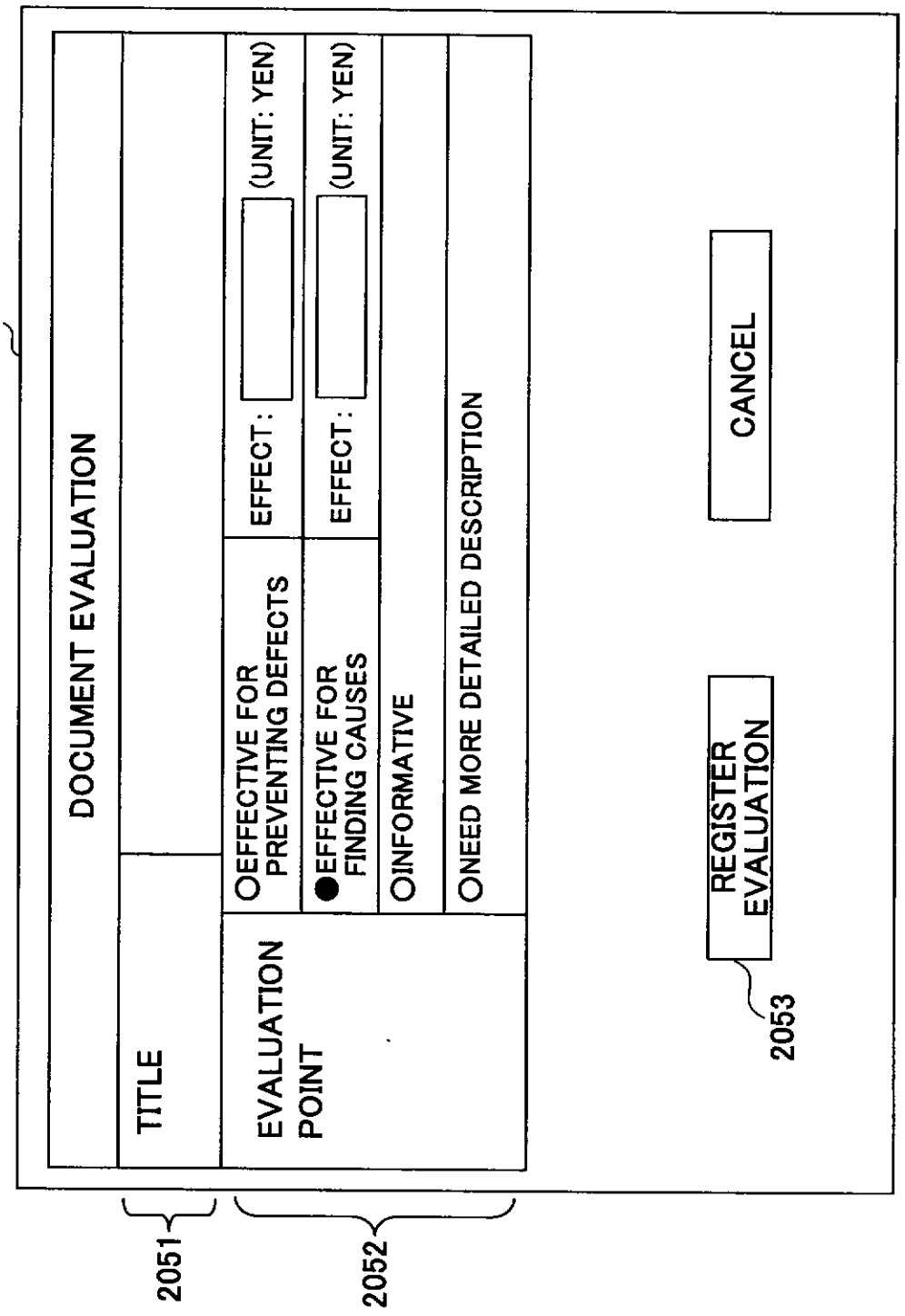

205
DOCUMENT EVALUATION
TITLE
EVALUATION POINT
OEFFECTIVE FOR PREVENTING DEFECTS
EFFECT: (UNIT: YEN)
●EFFECTIVE FOR FINDING CAUSES
EFFECT: (UNIT: YEN)
OINFORMATIVE
ONEED MORE DETAILED DESCRIPTION
REGISTER EVALUATION
CANCEL
2051
2052
2053

FIG.12

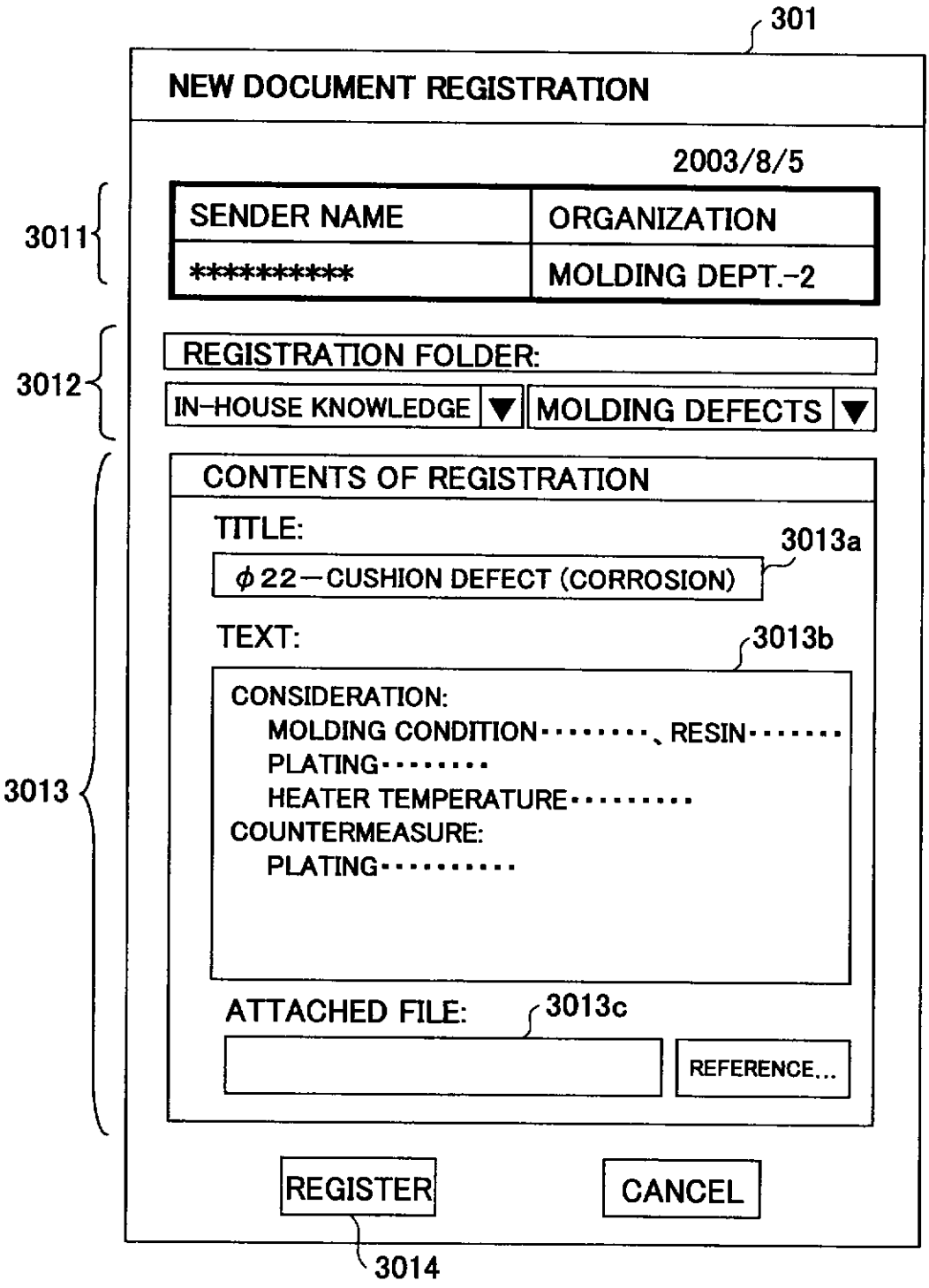

301
NEW DOCUMENT REGISTRATION
2003/8/5
3011
SENDER NAME
ORGANIZATION
****
MOLDING DEPT.-2
3012
REGISTRATION FOLDER:
IN-HOUSE KNOWLEDGE
MOLDING DEFECTS
3013
CONTENTS OF REGISTRATION
TITLE:
3013a
φ22—CUSHION DEFECT (CORROSION)
TEXT:
3013b
CONSIDERATION:
MOLDING CONDITION・・・・・・・・、RESIN・・・・・・・
PLATING・・・・・・・・
HEATER TEMPERATURE・・・・・・・・・
COUNTERMEASURE:
PLATING・・・・・・・・・・
ATTACHED FILE:
3013c
REFERENCE...
REGISTER
CANCEL
3014

FIG.13

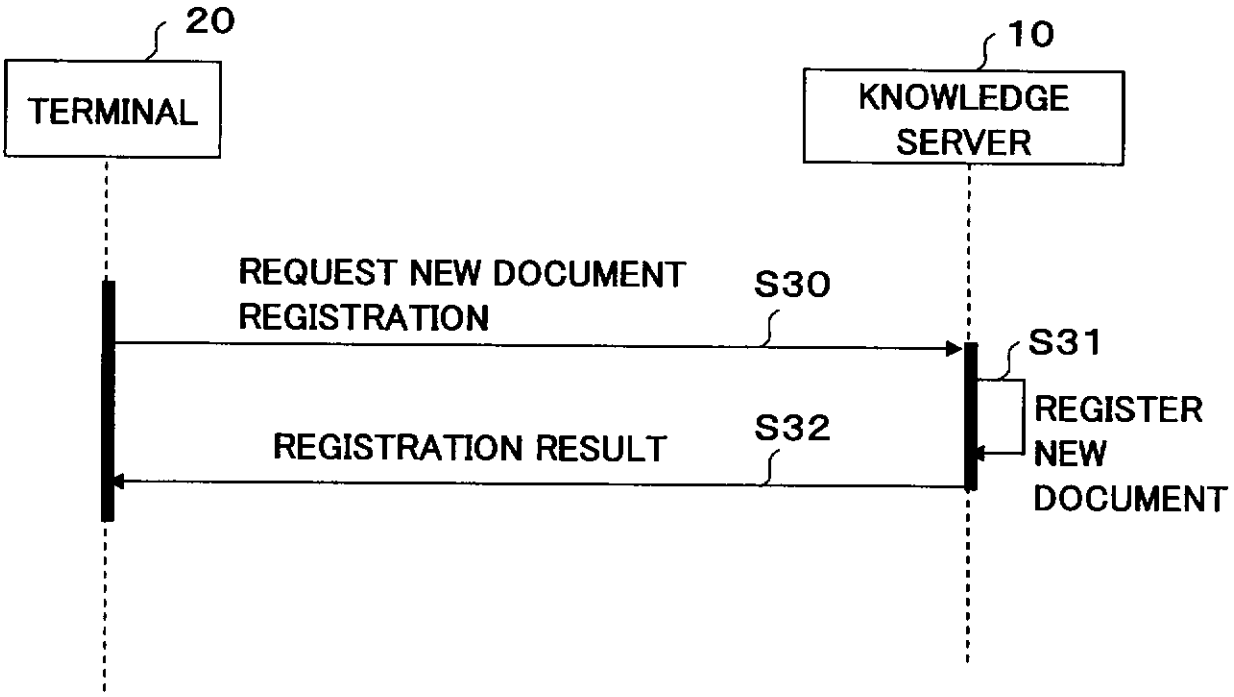

20
TERMINAL
10
KNOWLEDGE SERVER
REQUEST NEW DOCUMENT REGISTRATION
S30
S31
REGISTER NEW DOCUMENT
REGISTRATION RESULT
S32

FIG.14

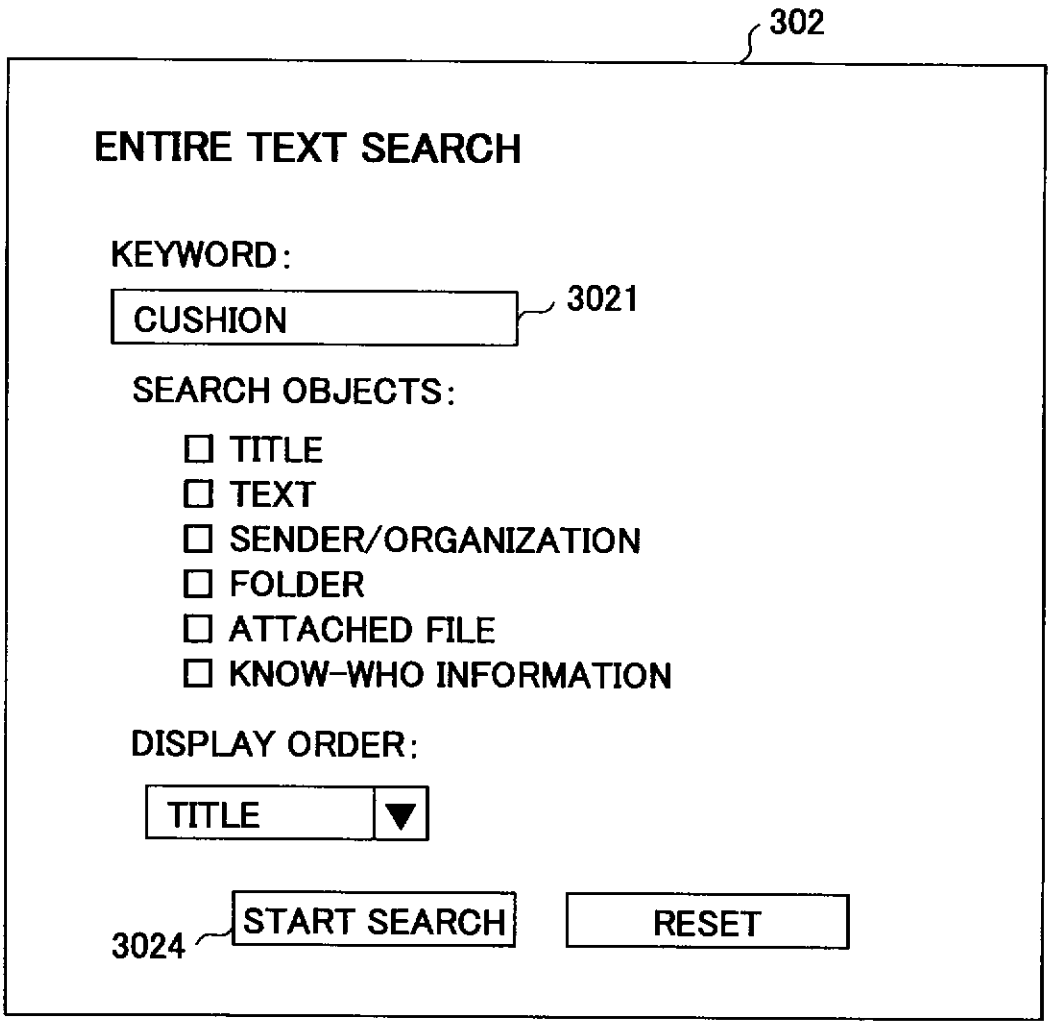

302
ENTIRE TEXT SEARCH
KEYWORD:
CUSHION
3021
SEARCH OBJECTS:
TITLE
TEXT
SENDER/ORGANIZATION
FOLDER
ATTACHED FILE
KNOW-WHO INFORMATION
DISPLAY ORDER:
TITLE
3024
START SEARCH
RESET

FIG.15

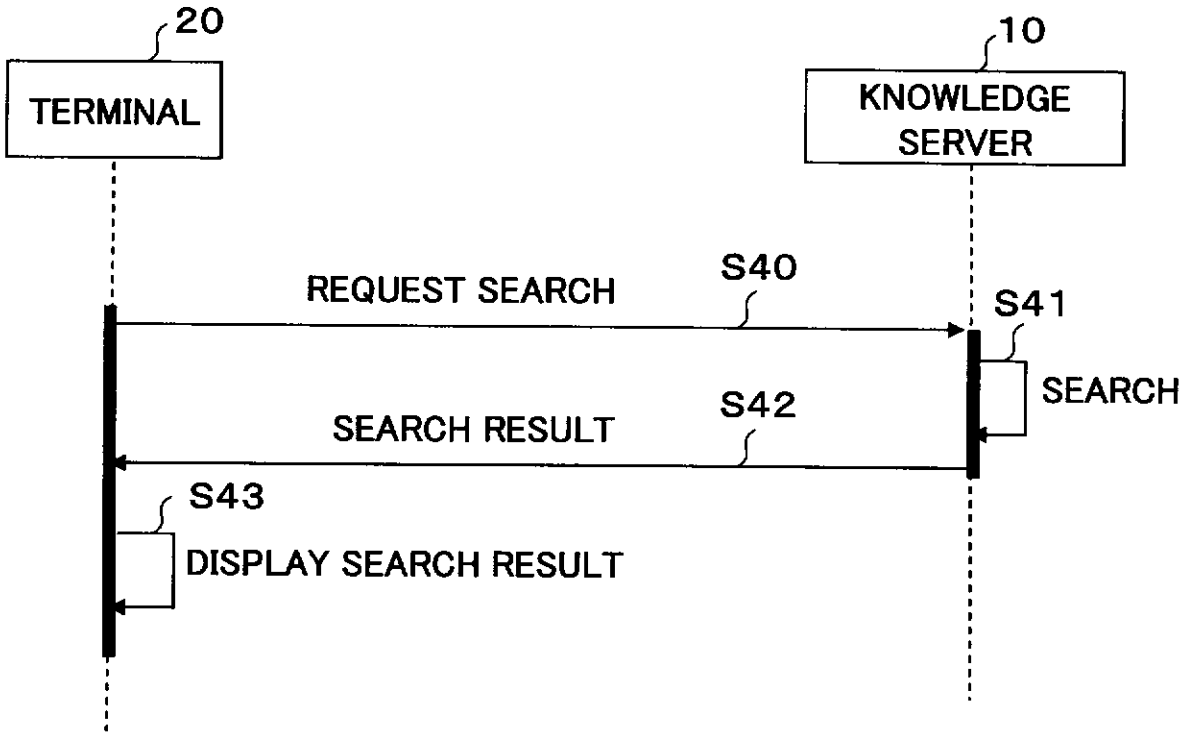
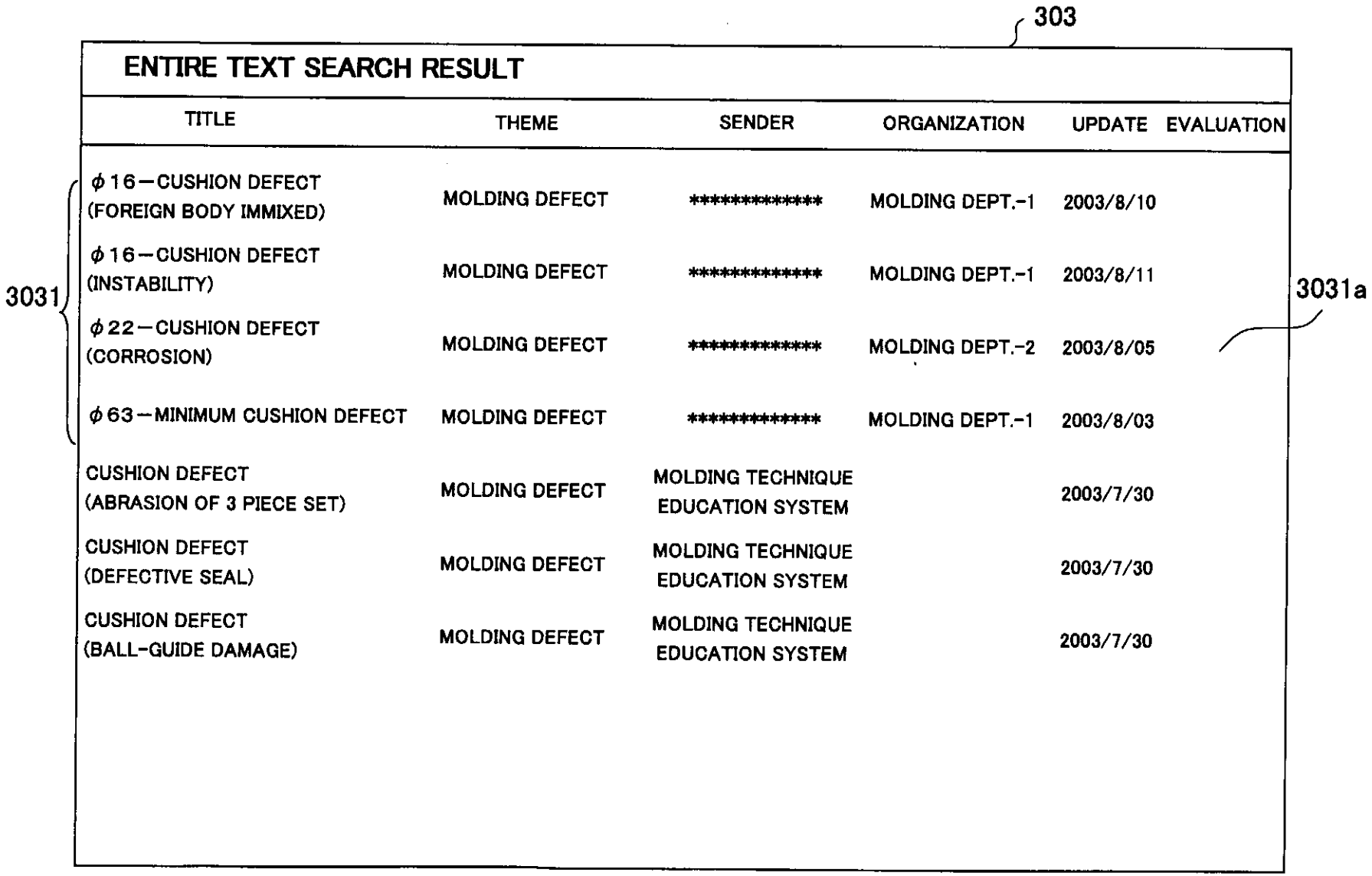

20
TERMINAL
10
KNOWLEDGE SERVER
REQUEST SEARCH
S40
S41
SEARCH
SEARCH RESULT
S42
S43
DISPLAY SEARCH RESULT

FIG.16


303
ENTIRE TEXT SEARCH RESULT
TITLE
THEME
SENDER
ORGANIZATION
UPDATE
EVALUATION
φ16−CUSHION DEFECT (FOREIGN BODY IMMIXED)
MOLDING DEFECT
****
MOLDING DEPT.-1
2003/8/10
φ16−CUSHION DEFECT (INSTABILITY)
MOLDING DEFECT
****
MOLDING DEPT.-1
2003/8/11
φ22−CUSHION DEFECT (CORROSION)
MOLDING DEFECT
****
MOLDING DEPT.-2
2003/8/05
φ63−MINIMUM CUSHION DEFECT
MOLDING DEFECT
****
MOLDING DEPT.-1
2003/8/03
CUSHION DEFECT (ABRASION OF 3 PIECE SET)
MOLDING DEFECT
MOLDING TECHNIQUE EDUCATION SYSTEM
2003/7/30
CUSHION DEFECT (DEFECTIVE SEAL)
MOLDING DEFECT
MOLDING TECHNIQUE EDUCATION SYSTEM
2003/7/30
CUSHION DEFECT (BALL-GUIDE DAMAGE)
MOLDING DEFECT
MOLDING TECHNIQUE EDUCATION SYSTEM
2003/7/30
3031
3031a