

2002 - 0060964  
2002 07 19

WO 2002/21843  
2002 03 14

100

1

1.

2.

MITRE Corporation BNE(Broadcast News Editor) BNN(Broadcast News Navigator)(Bedford MA MI  
TRE Corporation Andrew Merlino, Daryl Morey, Mark Maybury 1997 ACM  
broadcast News Navigation using story segmentation 381 389 )

. BNE

(closed caption text)

1

. BNN

(search words)

, BNN

occurrence )

가

CD

DVD

, " (monologue),

(John Smith)"

가

" 가 (annotate)"

가

가

BNE

(cut)

- (close - up)

(context)

(news bro

adcast)"

(newscaster)"

(full - figure shape) , " (on - location)"

MPEG - 7 (description  
scheme) (descriptor) , " (description  
(Multimedia Content Description Interface)" , MPEG - 7  
(pre - and post - production script) , 가 ,  
(video archive)

/ 가

가 " (backgroud information)"

(insight) (camera operator)

(videoconference recording)  
가

1 /

2

3 /

4

, " (indexing)" " (summarizing)"  
 , 가 (review) 가 (preview)  
 (synopsis)

1 / (performer)  
 (130, 131) (object) (140) , (120, 121) (action) (11  
 0)  
 (event) 가 , , ,  
 가 " (on - line)" , " "  
 " (off - line)" , "  
 (instant replay)" ,  
 가

, 1 (110) " 1 Joe(130)가 가 .  
 2 Jim(131) 가 가 가 .  
 " (behind - the - scene)" ,  
 3 1 ,  
 1 . MPEG - 7 , ,  
 , 3 Joe Jim , 가  
 , " "  
 " " Joe  
 Jim , (140)  
 가 ,

2 (200) (210)  
 (220, 230, 240) ,  
 (215) 1 (vocal input) (220) .  
 (220) , (production booth)  
 ; (on - site report) ;

(210)

가

(220 240)

가

(210)

'1'

가

가

(230)

(zoom)

(200)

ip - ahead)"

가

가

(learning system)

(sk

가

(end - line - rush)

(strike - out)

(kick - off),

(forward - pass)

(home - run)

(boom)

(240)

(file footage)"

가

가

(220	240)	,		.
, Mi - Suen Lee가	2000 3 21		09/532,820 ,	US000063
" HANDS - FREE HOME VIDEO PRODUCTION CAMCORDER"				
-	(knowledge - based system technique)			
(210)	(230)		Eric Cohen - Solal	Mi - Suen
Lee가	2000 1 20		09/488,028 ,	US000015 " M
ULTIMODAL VIDEO TARGET ACQUISITION AND RE - DIRECTION SYSTEM AND METHOD"				(g
esture)	(key word)		Hugo Strubbe	Mi - Suen Lee가
			2000 4 13	
09/548,734 ,	US000103		" METHOD AND APPARATUS FOR T	

# RACKING MOVING OBJECTS USING COMBINED VIDEO AND AUDIO INFORMATION IN VIDEO CONFERENCING AND OTHER APPLICATION"

(215)

(210)

가

가

(zoom)

(key speaker)r

가

(keynote address)

(key discussion period)

(

),

가

ergetic effect)

(commonplace)

(syn

(201)가

(215)

(240)

가

(220)

가

(220)

(230)

(220)

' (cut) '

(210)

(202)

( , " Rocky , Scene 32, Take 3" )

가

3

/

(300)

/ (indexer/summarizer)(310)

(215, 320 323)

(320)

, BNE

BNN

1

가

(filler material)

/

(310)

(321)

- 가 -

(significance - weighting - factor)

가

- (320)

- 가 -

, 1

(215)

(321)

1  
n)"

" (outdoor), , (pedestria  
, / (310)

Nevenka Dimitrova Lalitha Agnihotri가 1999 12 1  
PHA 23,846 " PROGRAM CLASSIFI

9/452,581 ,  
CATION USING OBJECT TRACKING"

(trajectory)

1

(215) , " Joe" " Jim"  
" Joe" " Jim"

MPEG - 7  
(syntax) , /  
(semantic descriptor)

(cross - platform)

(322) / (310)  
, (215) - (320) (terminology)  
; 가 (likelihood) , - (320) (321) (

broadcaster) 가  
가

/ (310)가 , (customized) ,  
(323) Jan H. Elenbaas, Tomas McGe  
e, Nevenka Dimitrova, Mark Simpson 1998 12 23 09/220,277 ,  
PHA 23,590 " PERSONALIZED NEWS RETRIEVAL SYSTEM"

, / (310)  
(215) (320 322) ,  
(performer) , / (310)  
(215, 320 322)  
가 / (310)

/ (310) (350) 가  
, DVD DVD DVD  
(300) DVD  
, / (300)  
(adjunct) , (v  
endor)가 , 가 - TV , (

PC)

4 (210) (201 240) (420), (210) field of view processor) (430), (410) (420) (220) (430) (230) (410) (201, 202) (440) (240)

(450) / (310) (3) (215) (210) (sy mbol library) (460) (460) (450)가 (420) (420) (460)

9 09/343,649 , Keith Mathias, J. David Schaffer Murali Mani가 1999 6 2  
 ATION USING EVOLVED PARAMETERS" PHA 23,696 " IMAGE CLASSIFIC

(57)

1.

(ancillary) (220 240) (220 240) (220 240) (directives) (220) (230, 240)



2.

1 ,  
 (220 240) ,  
 (220) (vocal input) ,  
 (230) (field of view setting)  
 , .

3.

1 ,  
 (220 240) ,  
 (320 323) ,  
 (320 323) ,  
 - (closed - caption information) (320) ,  
 (321) ,  
 ,  
 (context information) (322),  
 (323) , .

4.

3 ,  
 (220 240) , .

5.

1 ,  
 , .

6.

1 ,  
 (350) , ,  
 , .

7.

1 ,  
 , (220 240) (215)  
 , .

8.

1 ,  
 MPEG - 7 , .

9.

,  
 (230) ,  
 (230) , .

10.

1 ,  
 ,  
 (320 323) ,  
 (320 323) ,  
 - (320) ,  
 (321) ,  
 ,  
 (322),  
 (323) , .

11.

(210) ,  
 (220 240) ,  
 (201, 202) ,

(210). (215) , (450) ,

12.

11 ,

(220 240)

(220),

(230 240) , (

210).

13.

11 ,

(450)

(220) (420),

(230) (430)

, (210).

14.

(300) ,

(215) ,

(215) 가 ,

(310) ,

(215)

(220)

(230, 240)

, (300).

15.

14 ,

(215)

(220) (420)

,

(430) , (300). (230)

16.

14 ,

(320 323) ,

(320 323)

- (320) ,

(321) ,

(322)

(323) ,

(310) (320 323) 가 , (320 323) (300). (320 323)

17.

14 ,

(correlation) (synchronizer) (410)

(300).

18.

14 ,

(300).

19.

14 ,

MPEG - 7 , (300).

20.

(300) ,

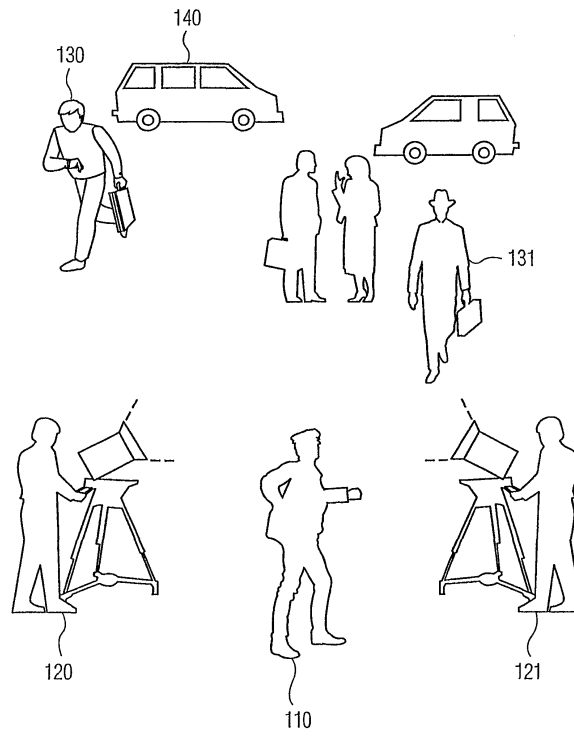
(215) ,

가 , (310)

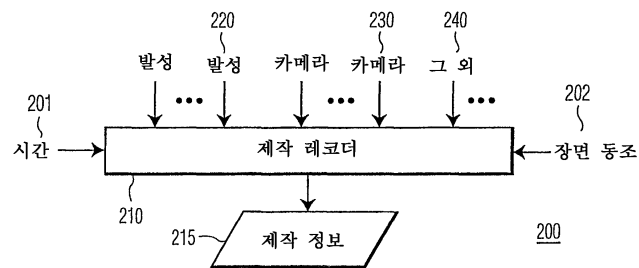
,

(215)  
 (230) , (300).  
 21.  
 20 ,  
 (320 323) ,  
 (320 323)  
 - (320) ,  
 (321) ,  
 (322),  
 (323) ,  
 (310) (320 323) 가 , (32  
 0 323) , (300).

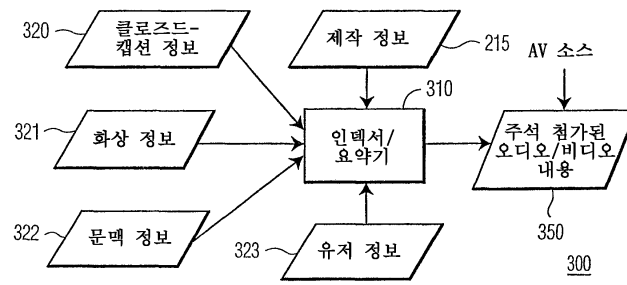
1



2



3



4

