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(71)

2200

(72)

가 637665 가 #11 - 01

98

85283

7292

85226

4854

(74)

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(54)

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3

1

, , , , 3

(electronic camera)  
(capturing)

(digital camera) (electronic form) 3 (chemical fil  
m camera) (image stitching technique) (optical character recognition engine, OCR)  
(text string)  
(paper document)  
3  
" (scan)"  
가

, 3

(image data tile)

1

2

3

4

가

(distant object)

(packing container)

3

(black board)

(white board)

plain text file)

/

(p

data)

(text linking technique)

[ (letter) (word) ]

(degrees of freedom)

(compute - intensive)

1

plane)

(104)

(108)

(100)

(100)

(focal

(field of view)/

3

(108)

(depth of field)

(distance shots)

(104)

(close - up)

가

(104)

3

가

(104)

2

/

(108) (charge coupled device, CCD)  
 tal oxide semiconductor, CMOS) (complimentary me  
 (104)  
 , (raw image data)  
 (imager sensor array) (112)  
 (scale) (full spatial resolution) 가  
 (102) (overlapping tile) 가  
 (102)

(PC) (116)  
 (100) (120) PC PC  
 가 PC (still image) (motion video)  
 (render)  
 PC (120)  
 가

, (104) (128) (124)  
 (124) (128) 가 (OCR)  
 ked text file)" , " (lin  
 (124)

(128) (alignmen  
 t) (paste). 가 ,  
 (102) (100)  
 (116) ,

2  
 204 OCR 1 first\_scan\_tex 3  
 (phrase), (letter), 1 first\_scan\_img  
 가 " 2  
 (focus) OCR (character)  
 dence) (confidence) OCR , OCR  
 (corner) 가 (edge) (level of confi  
 OCR ,  
 208

208 , doc\_tex 1 . doc\_tex 2  
\_. prev\_sacn\_tex , 208 first\_scan  
\_tex . 212 .  
curr\_scan\_text 216 OCR , 220 (feature) str\_ftr  
. prev\_scan\_tex curr\_scan\_tex . 가 , str\_  
ftr . prev\_scan\_tex (available)  
, str\_ftr . 가 , 가 " the" , " o  
f" , " an" , " and" " (stop - words)" , str\_ftr  
. str\_ftr , 224 .

```

224     , str_ftr curr_scan_tex prev_scan_tex . str_ftr
      , curr_scan_tex prev_scan_tex 228 doc_tex . 3
      . " cameras" (curr_scan_tex 2 (row) 3 (co
lumn) )가 str_ftr , prev_scan_tex " cameras" 3 17
      , (validity) " suc" , " ts. The" , " elec"
      . (3 - 2 , 17 - 3 ) = (1 , 14 )
      curr_scan_tex prev_scan_tex .

```

$$\text{prev\_scan}(i+1, j+14) = \text{curr\_scan}(i,j) \quad (i,j)$$

3 doc\_tex . 212  
가 , (128) 232 ASCII  
doc\_tex . (100)가 ,

가 4  
가 ,  
(spelling checker)  
, OCR (warning  
beep) 가  
,

가 404 . 가  
가 (region) .  
08 . new\_scan\_img  
OCR 412 . , new\_scan\_img  
new\_scan\_tex . new\_scan\_tex . , str\_ftr 가 , 416 str\_ftr n  
ew\_scan\_tex . 가 . , str\_ftr 가 . OCR

(57)

1

(light image)

(camera imager), , (image data tiles)

(text data tiles) ,

2.

1 ,

(depth of field)

가

3.

1 ,

4.

1 ,

(spatial resolutions)

5.

3 ,

1 (string)

6.

1 ,

7.

1 ,

8.

1 ,

, 가

9.

8 ,

(specification)

10.

3 ,

(stitch)

(graphics figure)

가

,

11.

,

가

12.

3

,

,

,

13.

12 ,

가

14.

13 ,

15.

13 ,

가

16.

12 ,

,

17.

12 ,

,

2 ,

2

,

2

가

18.

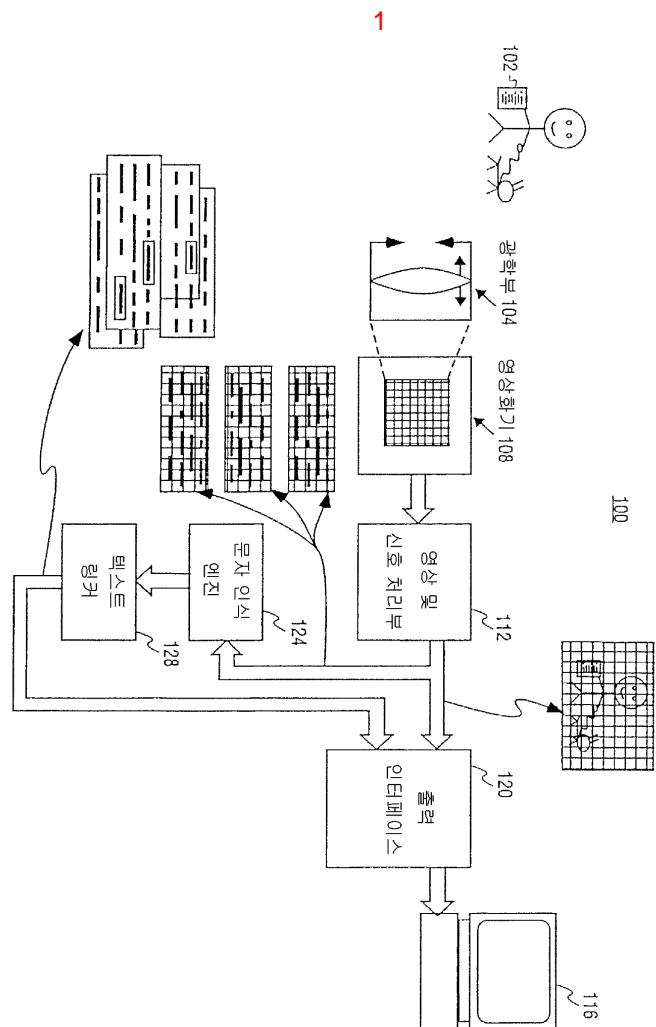
17 ,

2

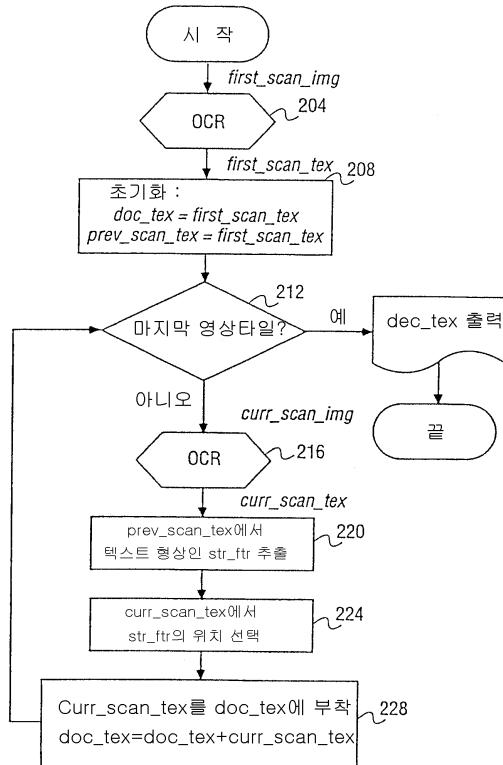
가

19.

,



2



3

