 (19) (KR) (11) 10- 2010- 0040754  
 (12) (A) (43) 2010 04 20

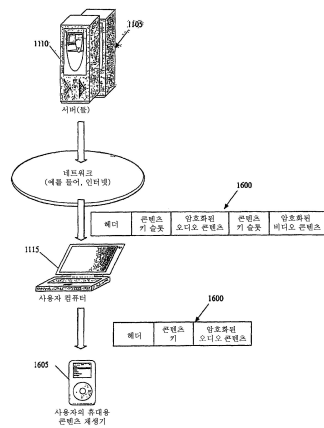
(51) Int. Cl. (71)  
 G06F 21/24 (2006.01)  
 (21) 10- 2010- 7005573( ) 95014  
 (22) ( ) 2006 10 10 1  
 2010 03 12 (72)  
 (62) 10- 2008- 7011183 95014  
 ( ) 2006 10 10 10411  
 2010 03 12  
 (85) 2010 03 12 94087  
 (86) PCT/US2006/039778 1610  
 (87) W0 2007/044825  
 2007 04 19 94301  
 (30) 684  
 11/249, 123 2005 10 11 (US) (74)  
 : 20

(54)

(57)

( ) 1  
 2 , 1 , 2 ,  
 ,  
 , 1  
 1 2 2

- 16



**1**

- a) (piece) -;
- b) - 1 -;
- c) 1

**2**

- 1 ,
- 1
- 2 1

**3**

- 1 ,
- 1 2

**4**

- 1 ,

**5**

- 1 ,
- 1 -;
- 2

**6**

- 5 ,
- 1
- 2
- 3 1

**7**

1 ,  
1

(cryptographic key)

8

1 ,

9

a) (unitary) ;

b) -

-;

c) ;

d)

10

9 ,

11

9 ,

1

1 - (license-authority computer) 2 -

12

9 ,

13

9 ,

1 ,

1 ,

2 1

1

;

1  
 - ; 2  
 1 2 1 2

**14**  
 13 ,  
 2 1 .

**15**  
 9 ,  
 1 ,  
 1 ,  
 ,  
 2 1 1 ;

2  
 1 2 2

**16**  
 9 ,  
 1 ,  
 1 ,  
 ,  
 2 1 1 ;

2 1  
 2 2

**17**  
 16 ,  
 2 2 .

**18**  
 ,

- a) ;
- b) ,

19  
 18 , 1 , 1  
 2  
 20  
 1 19

[0001]

[0002]

(Digital Right's Management: DRM)  
 . DRM  
 ( , )

[0003]

( , " ") ( , " ") ,  
 DRM  
 3  
 (protected content)

[0004]

DRM , DRM  
 (license) , DRM  
 (1) , (2) , DRM  
 DRM

DRM

[0005]

( , , ) . 1  
2 . 1 , 2 ,

[0006]

1 2 2 1  
, ,

[0007]

1 2 1 1 , 2  
2 . 1 2 , 1 2  
1 2 1 2  
1 2 . 1 ,  
2 . 1 2 1

[0008]

( , , ) ( , )  
, , ) , ,  
( , ) , ( , )  
, . ,

[0009]

, ,  
( , )

[0010]

( , ) ( , )  
( , ) ,  
( , ) .

[0011]

1  
2 1 1 2  
2  
3

4 10

11

12 , DRM ,

13

14 11

15 13

16 DRM

17

[0012]

[0013] I.

[0014]

[0015]

[0016]

[0017]

[0018]

[0019]

[0020]

I.

1

1 2

2 (105 110)

(125)

1

(105), 2

(110),

, 2

(110)

1

2 (220)

(105)

1 (215)

2

(100)

2 (220)

(100)

2

(110)

(105 110)

1 2

1 2 (215 220)

(105 110)

" "

(obfuscation)

, , ) / ( , , )

[0021] 4 10 4  
(405) ( , , ) ( , , )  
(410) ( , , ) (400)

[0022] 5 (500)

6 (600)

[0023] 7 (705) (705)  
(710) (700) 8  
(805) (805)  
(810) (800)

[0024] 9 ( , )  
( , ) (900) , 10 ( , )  
(1000)

[0025] 4 10 , ( ) ,

[0026] ( , ) ( , ) ( , )

[0027] (Quicktime file format),  
(Windows Media file format), (Real media format), ISO/IEC 14496-12 Motion  
JPEG

[0028] II.

[0029] 11 (1100)  
( , )

[0030] 11 (1100) (1105), DRM (1110),



(1115) (1115) (1105 1110)

[0031] (1115) DRM (1110)

(1100)

DRM (1110)

[0032] (1100)

DRM (1110) (1115)

DRM (1110)

[0033] (1115) DRM (1110) (1110)

(1105) DRM (1120)

(1115) (1100)

(1105)

DRM (1110) (1105) (1115)

DRM (1110)

[0034] 12 (1115), DRM (1110), (1105)

(1200)

12 (1200) (1205) (1115)

DRM (1110)

(1210) , DRM

[0035] (1215) DRM (1110) / (1115)

DRM (1110) (1220)

(1115) (1105)

[0036] (1105) (1225) (1230) (1115)

11 (1105) (1115)

(1125) 5 1 2 (1145)

1155) 2

3 4 (1150 1160) (1115)

5 (1165)

/

[0037] (1115) (1235) (1115)

(1240) DRM (1110) (1220) , DRM (1110)

(1115) (1245)

[0038] DRM (1110) (1245) , DRM (1250) (1115)

(1115) 11

(1110) (1250) (1115) (1125)

DRM

[0039] 11 (1130 1132)

( , 1145 1155) ( , 1130 1132)

(1115) (1130) (1145)

(1132) (1155)

[0040] 13 (1125) (1115) (1115)

1 (1145) (1105) (1115)

DRM (1110) (1145)

(1130)

[0041]

, , (1130) (1145)  
, , (1115) (1125) (1155)  
, (1155)

[0042]

12 , (1115) (1255) DRM (1110)  
. 12 , (1115) (1260)  
14 11 , (1115) (1130 1132) (1405 1407) 14  
, (1235) (1410)  
(1125)  
(1415)

[0043]

15 13 15  
14 , (1415)  
2 (1132)

[0044]

(1100)

[0045]

[0046]

(1100)

[0047]

, 12 (1115), DRM (1110), (1105)  
, (1115) DRM  
, DRM (1115)

[0048]

, DRM  
/  
/

[0049]

III.

[0050]

, (1115) DRM DRM

[0051]

16 (1115) DRM (1605)

(2) , / (1605) (1) (1115) DRM (1605)  
(1115) DRM  
DRM

[0052] 17 (1115) (1605)  
(1700) 17 (1700) (1705)  
(1605) (1710)  
ID

[0053] (1715) (1115)  
( , )

[0054] (1720) (1720)

[0055] (1720) 16  
(1605) (1600)

[0056] (1720) (1725)  
( , )

(1115)  
[0057] (1725) ( , )  
(1725) (1730)  
( , ) (1720)  
(1725)

[0058] 17  
DRM /

[0059] IV.

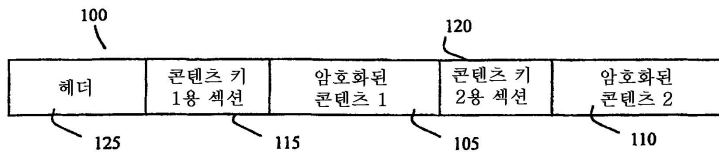
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( ) ( )

[0061] ,  
,

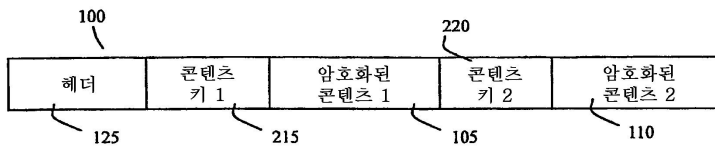
[0062] ,  
,

[0063]

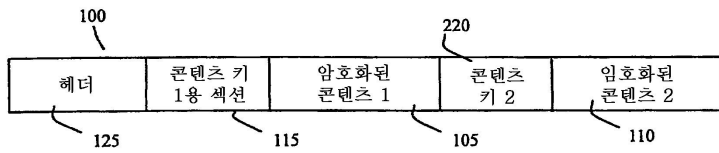
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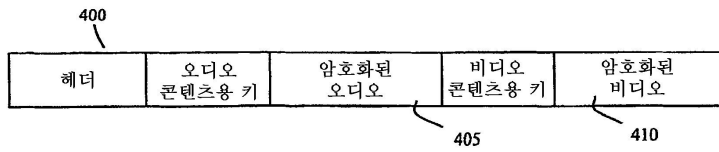
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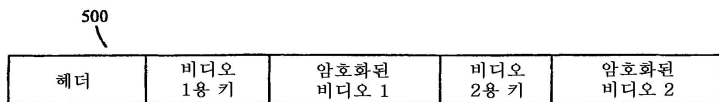
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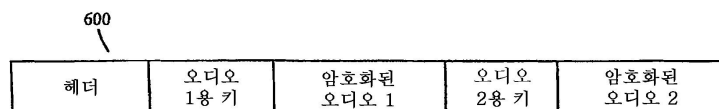
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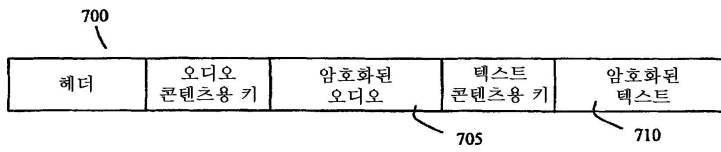
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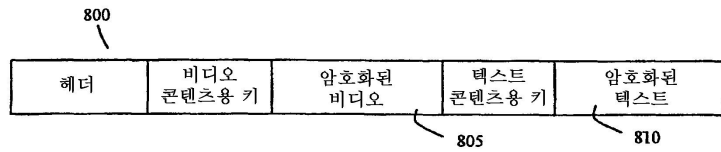
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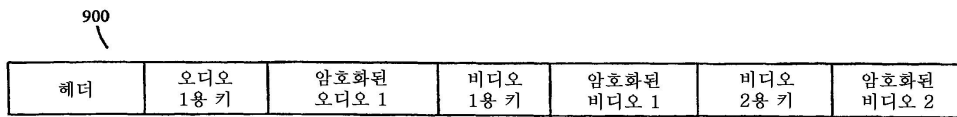
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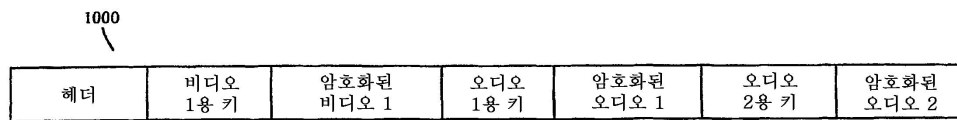
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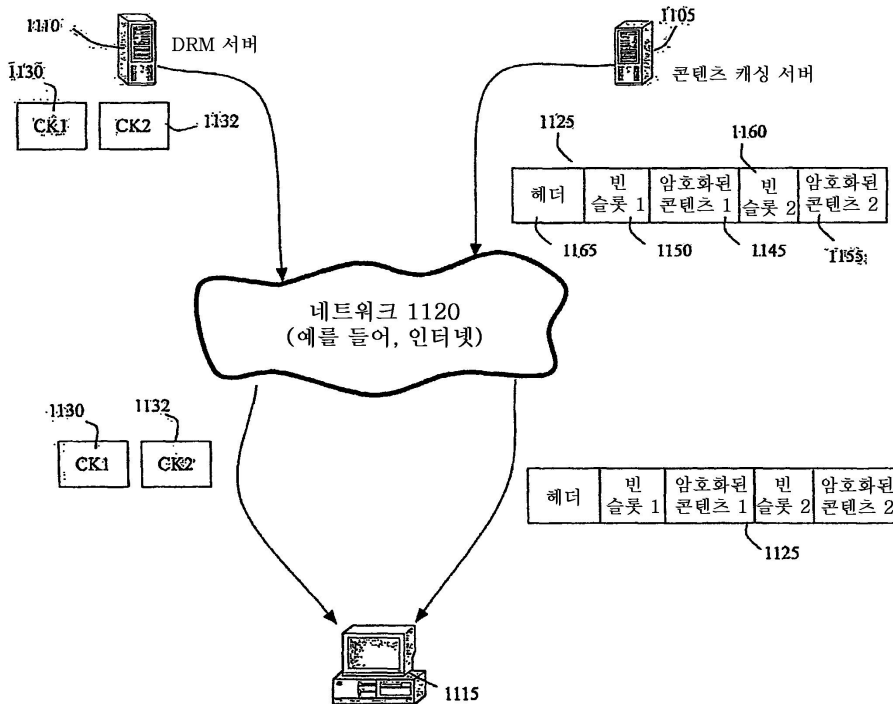
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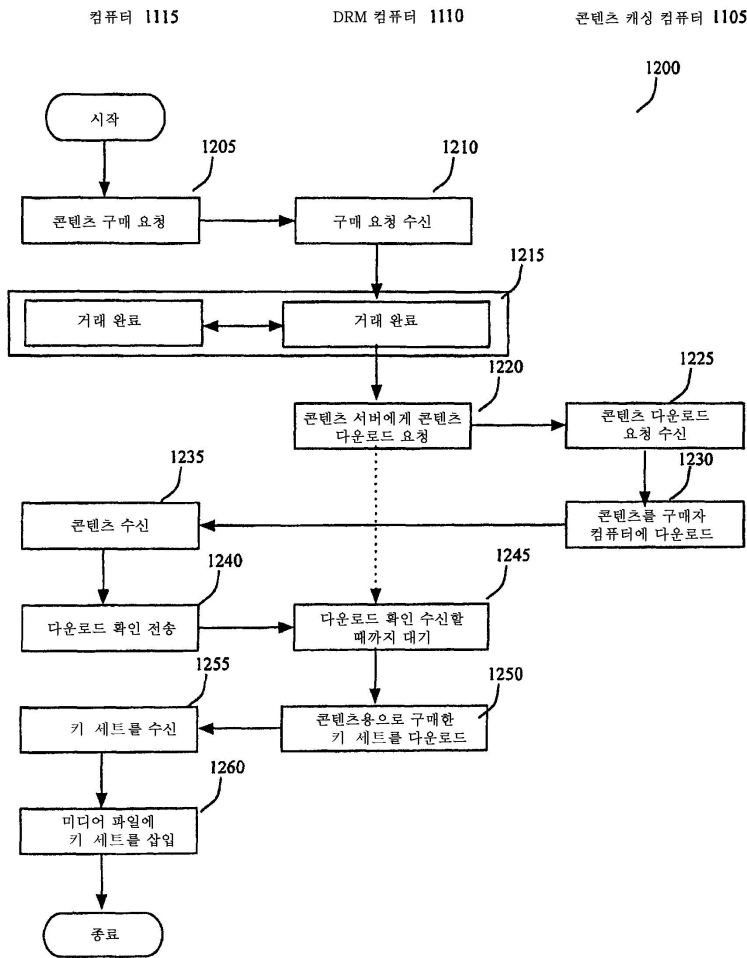
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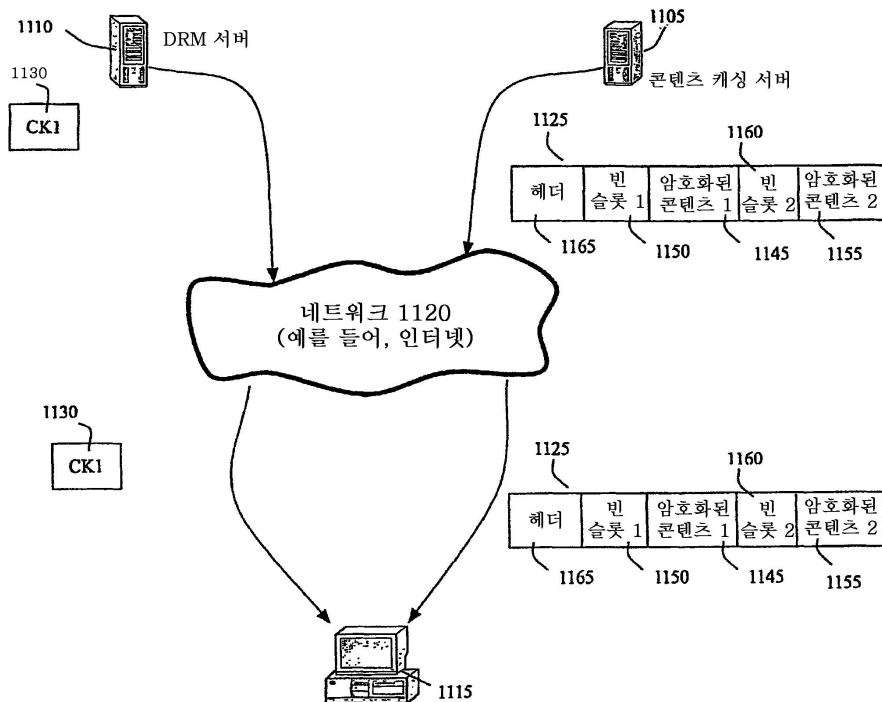
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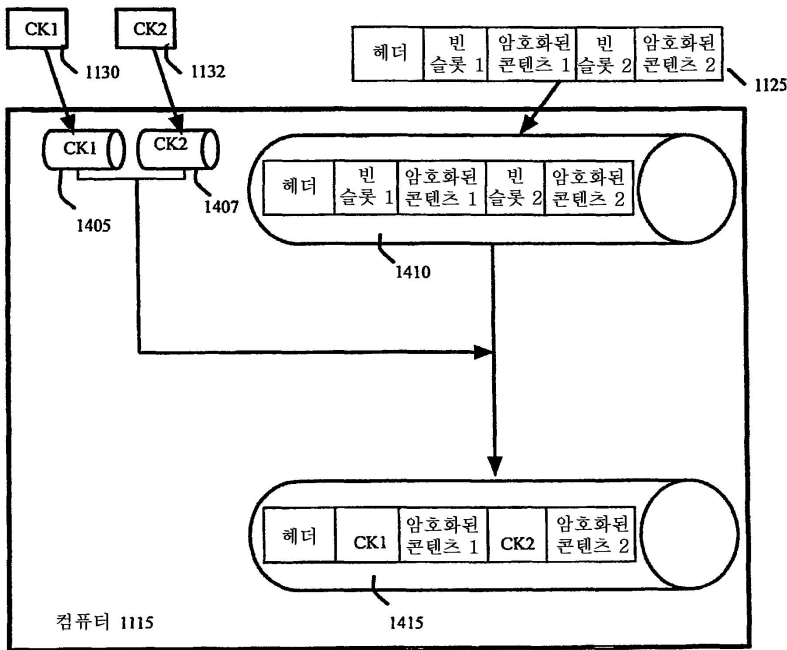
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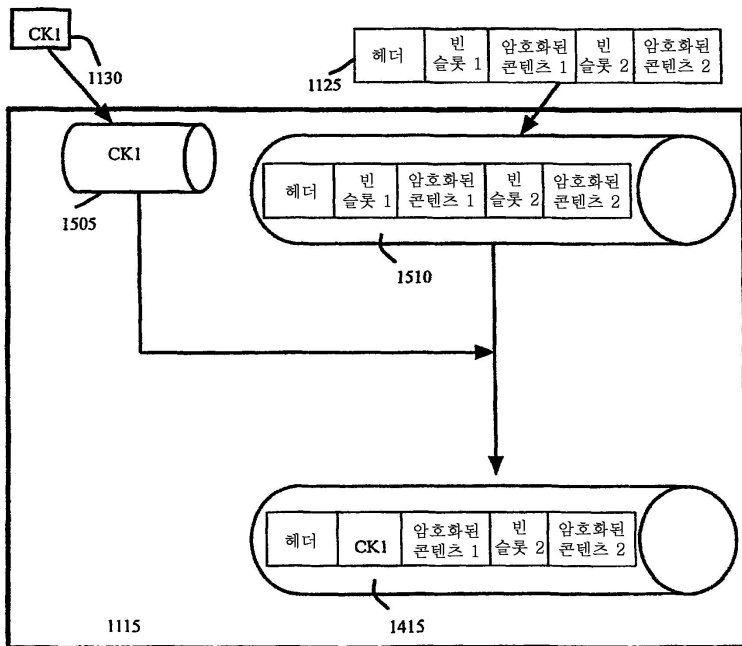
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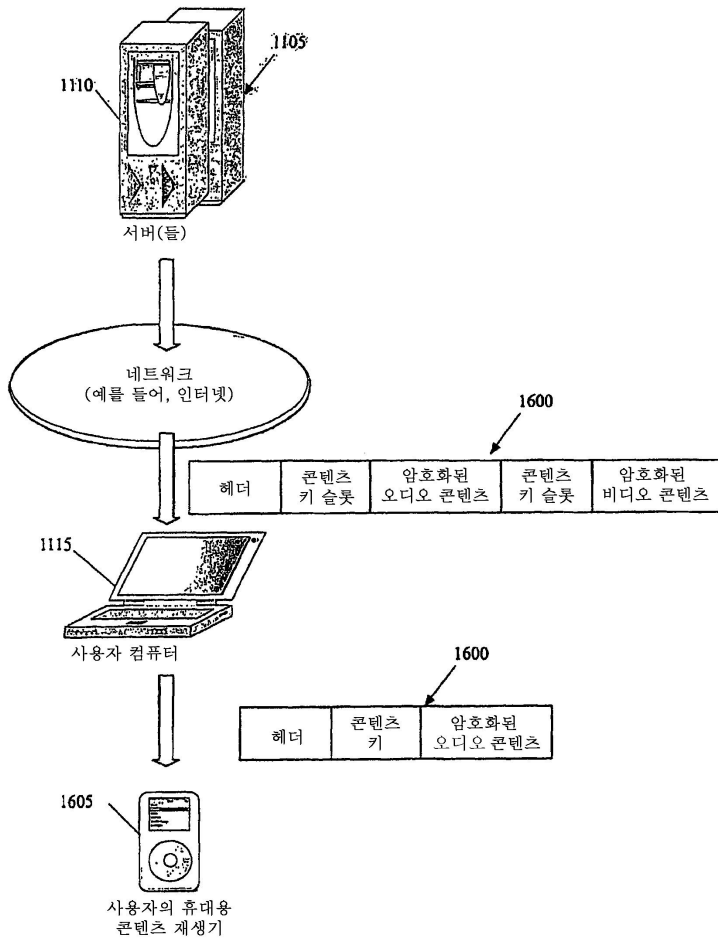
14



15



16



17

