

2 3
,
4 5

6 8

가

??

100,400 : 200,500 :

300,600 : 50 :

51 : 52 :

53 : 54 : A/V

, (Compact Disc), (Digital Versatile Disc) (Blu-ray Disc)
A/V (Copy Protection Information
)

가 , (BD) , (CD) (DVD)

, (Contents)
A/V ,

1 ,
k) (21), (200) , (Authentication Block)(20), (Key Sharing Bloc
(Encryption Block)(22,23)

, (PC) (300) , (30), (31), (Decryption BI
ock)(32,33), (Descramble Block)(34), (Decompression Block)(38),
(36), (37)

, (200) (100) , (Authentication Control Key)
(Secured Disc Key), (Encrypted Title Key), A/V
(Scrambled A/V Data)가

, (20) , (100)
(30) , (22,2
3) , (100) , (21)

(Disc Key)가, 1 (500) (Key Locker) (400) (Hidden Code)가

2 가 1 (Valid Key)

(51) 3 (Calculation)() (Decryption)()가

(Drive Key) (Drive Maker_ID)

ted Channel)(53) (500) 4 (600), (SAC: Secure Authentica A/V A/V

(60)가 (600)

00) (600) [](61)가 (5 [](61) [](54) (51) (51) (51) (400) 1 []

(53) (51) 2

(50) (SAC)(53)

(600)

, MPEG A/V (60)

A/V (60)[](61) , 5

(500) (53) (600)

4

(52)가 5 (500) (54)

(Bit to Bit) (Wobble)

가

6 (Key Rene

wal Information)가 가 7 8 (Drive Key),

(Drive Maker) (Valid Flag)가 (Application Key),

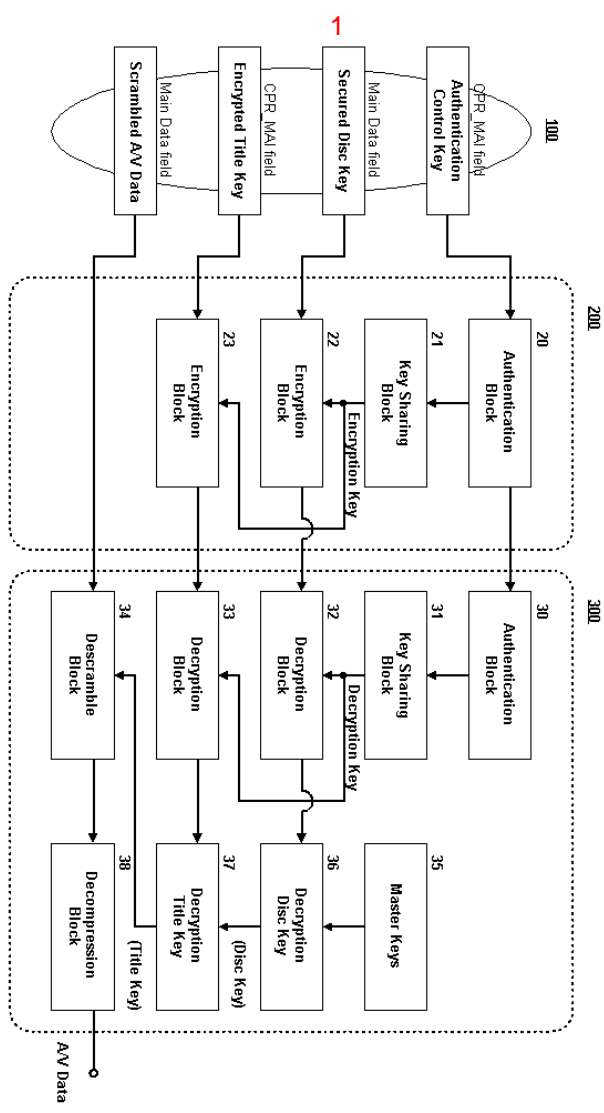
(Application Maker) (Valid Flag)가

- 1 ,
- 2 , ,
- 3.
- 1 , , 2 , 2
- 가
- 4.
- 1 , ,
- 1 , ,
- 5.
- 가 ,
- 1 , 2 , 1
- 1 , 2
- 가
- 6.
- 5 , , 1 , 1 ,
- 가 2 ,
- 7.
- 5 , , 2 , 가 , 2 ,
- 8.
- 1 , 1 ; 2
- 1 , 2 , 2 2
- 9.
- 8 , , 1 , 1 ,
- 1 2 ,
- 10.
- 8 ,

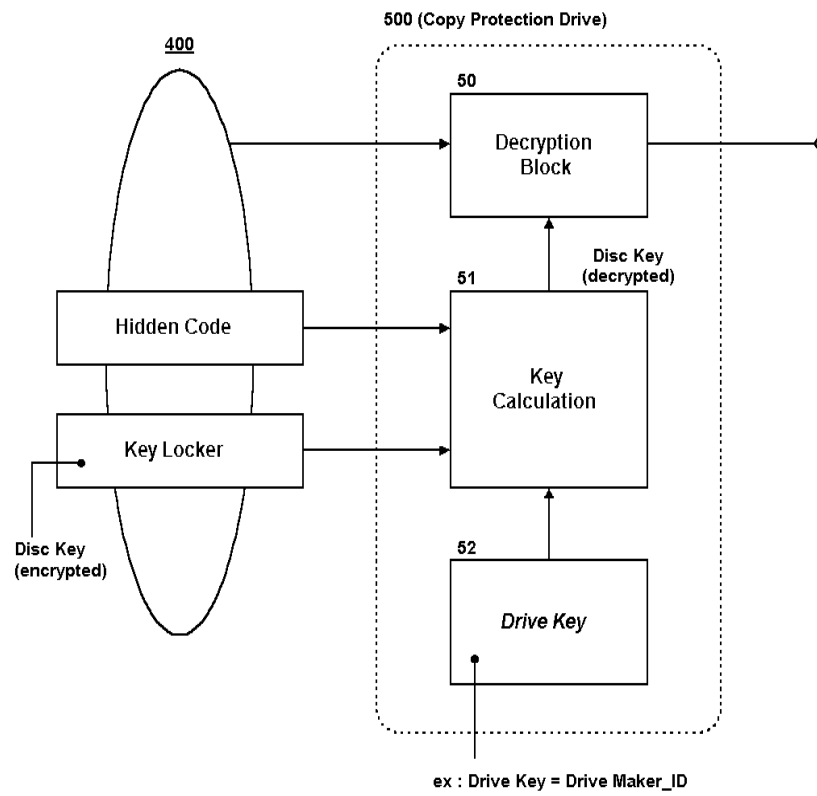
2 , ,
 가 , ,
 11.
 8 , ,
 2 , ,
 가 , ,

2 , ,
 2

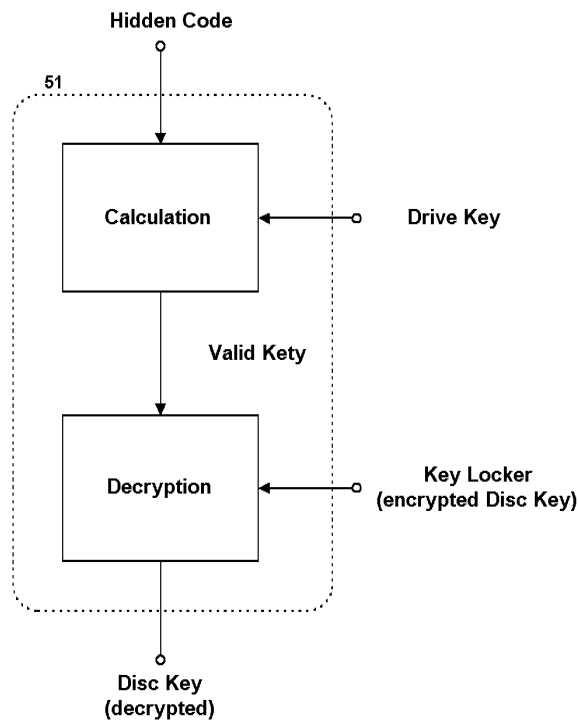
2
 2



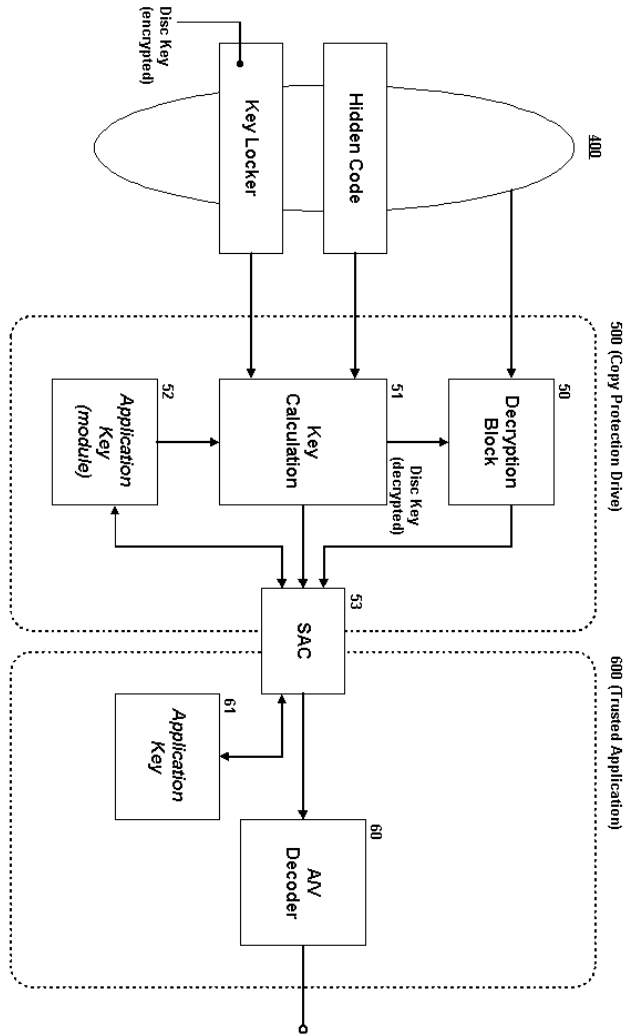
2

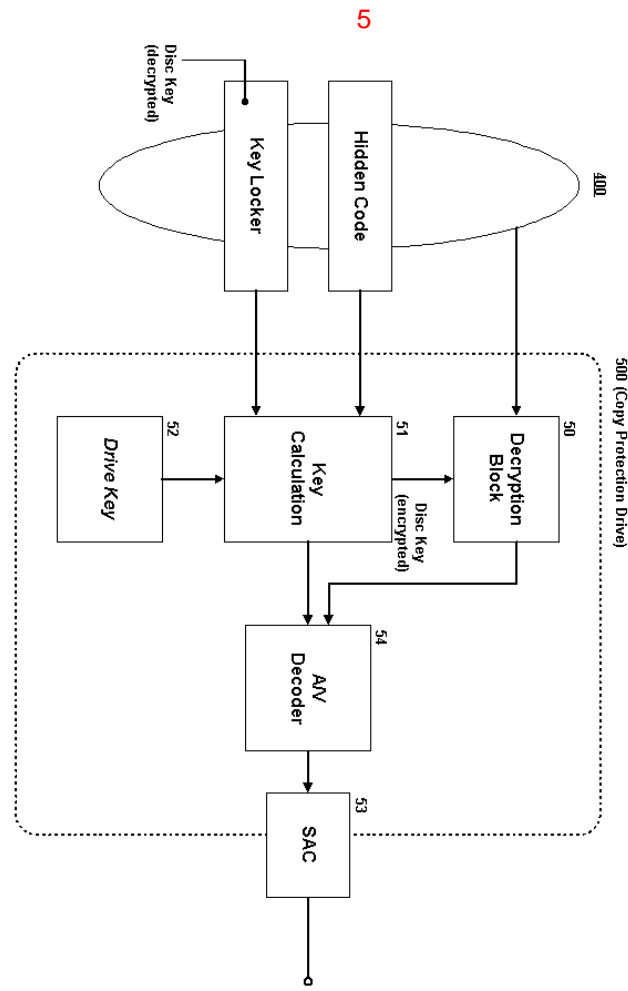


3

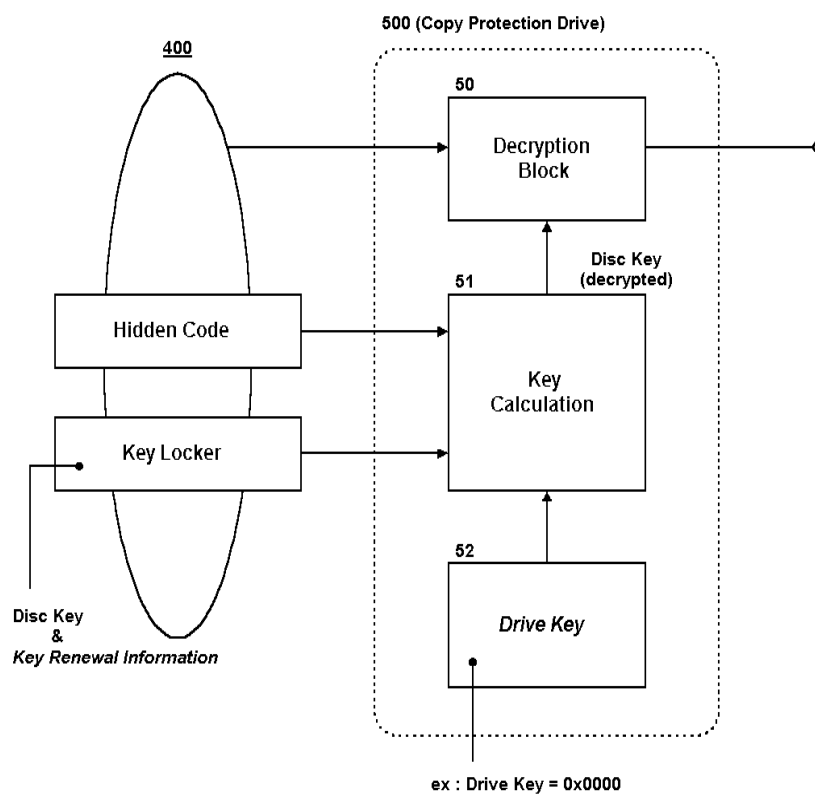


4





6



Key Renewal Information

Drive Maker	Drive Key	Vaid_Flag	
AAA	0x0000	0	● Non-Valid
	0x0001	1	● Valid
	⋮	⋮	
BBB	0x0010	1	
	0x0011	1	
	⋮	⋮	
CCC	0x0010	1	
	0x0011	1	
	⋮	⋮	
⋮	⋮	⋮	

Key Renewal Information

<i>Application Maker</i>	<i>Application Key</i>	<i>Vaild_Flag</i>
AAA	0x0000	0 ● Non-Valid
	0x0001	1 ● Valid
	⋮	⋮
BBB	0x0010	1
	0x0011	1
	⋮	⋮
CCC	0x0010	1
	0x0011	1
	⋮	⋮
⋮	⋮	⋮