

(19)  
(12)

(KR)  
(B1)

(51) 。 Int. Cl. <sup>6</sup>  
H04N 5/445

(45)  
(11)  
(24)

2002 12 11  
10 - 0355257  
2002 09 23

(21) 10 - 1996 - 0054157

(22) 1996 11 15

(65) 1997 - 0031951  
(43) 1997 06 26

(30)	006,889	1995	11	17
	687,285	1996	07	25

(US)  
(US)

$$(73) \quad \begin{array}{ccc} & , & \\ 46290 - 1024 & & 10330 \end{array}$$

(72)  $\frac{46290 - 1024}{10330}$

(74)

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(54)

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(text string)

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4 .

5 (search request list) .

6 (phrases) .

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\* \*

210 : 310 :

320 : 400S :

400T : 400R :

402 : VCR 403 : NTSC 가

410T : 415R :

450 :

TV , VCR , RCA® DSS® 가

150

(schedules)

가 150

가 가

가

가

RCA® DSS®

Starsight®

가

1a

1c

社(

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RCA® DSS®

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(Program Guide)

(SELECT

key)가

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1a

EVENI

NG NEWS가

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가

1a

" ENTER ALL OR PART OF A PROGRAM NAME TO SEARCH"

" WORD"

. MENU

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OME"

1b

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106

HOME IMPROVEMENT"

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가

가

1c

1c , 305

" HOME AND GARDEN"

" HOME"

(substring search)"

( )

"

BOUND"

HOME

" HOMEWARD

2

" GOPHER PROGRAM"

(210)

(210)

" ZULU" (

) " MICHAEL

CAINE" (ZULU

)

" AND"

" AND"

, " OR"

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OT"

" OR"

" ZULU"

가

" ZULU"

(AND) ZULU

" MICHAEL CAINE" 가

" ZULU"

Micha

el Caine 가 .

(210) , " ZULU" 가 , 가 (210) ,  
 , " ZULU" (VCR  
 가 ) 가 .  
 VCR , 가 , DISPLAY A " PROGRA  
 M LOCATED" MESSAGE ,

3 (320) (Program Guide screen) (310) .  
 (320) " ZULU" " MICHAEL CAINE" .  
 GOPHER PROGRAM , " ZULU" " STANELEY BAKER"

4 (400S) (400T) ,  
 ,  
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 (400R) ( , ),  
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MPG) (Master Program Guide) - (down load) .  
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 1 가  
 가 (IRD, )가,  
 [ (Time Slot)]

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 , 가 가 . 가  
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가 ,

SCID(Service Component Identifier) 12

SCID가

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(401)( )

(400S)

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(410T),

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/

(FEC)] (420T),

(uplink unit) (430T)

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410T) MPEG

(401)

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(International Standards Organizati

on) 가 (Moving picture Expert Group)

(410T)

, (FEC) (420T) , 4 -

(QPSK) eld

(430T)

(400S)

. (400S)

(set top receiver) (400R) (

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(400A)

(400R)

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](410R), IR

IR

(412),

/FEC

(410R)

(415R) ,

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. NTSC

(440R)

NTSC 가

VCR

(402) NTSC 가

(403)

(415R)

(450R)

(IR)

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(415R)

(450R)

(IR)

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(418R)

VCR(402)

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(415R)

(415R) -

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Star Trek 1

" The Shining" 가

" robot" 가

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가 가

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가

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6 "가 (virtual keyboard)" . " Watchdog  
 s" 4 " (Search Gophers)"  
 가 , Watchdog  
 , 가 ). 가 , ( Watchdog  
 (Save key) 가 ,  
 (Clear key) .

7 (700) . (705) , (710) ,  
 가 . (715) , 가 .  
 , (720) . 가 , 가 .  
 (725) 가 , ,  
 VCR (730) (735) .  
 , 가 가 " .  
 (last minute reminder)" (740) .  
 (735) .

(57)

1.

(program guide information) ,  
 (criteria) ,

, (program name identifier) ,

, 1 ,

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 (grid format)  
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1a

CH 150

Program Guide

7:05pm

7:00pm		7:30pm		8:00pm		8:30pm			
HBO 102	OTHER PEOPLE'S MONEY			FREE PREVIEW		DREAM ON			
CBS 106	EVENING NEWS		HOME IMPROVEMENT		BROOKLYN BRIDGE		RAVEN		
UPN 113	STAR TREK: VOYAGER			ENTERTAINMENT TONIGHT		WORLD NEWS			
CNE 210	EYEWITNESS		FUN CITY				DOUBLE TROUBLE		
CHN 305	PRIME NEWS		BOTH SIDES		RELIABLE SOURCES		HOME AND GARDEN		
USA 422	COUNTER STRIKE			QUANTUM LEAP					
MORE		MOVIES		SPORTS		OTHER		ALL	EXIT
ENTER ALL OR PART OF PROGRAM NAME TO SEARCH: HOME									

1b

CH 150					Program Guide		7:05pm		
7:00pm			7:30pm		8:00pm		8:30pm		
HBO 102		OTHER PEOPLE'S MONEY			FREE PREVIEW		DREAM ON		
CBS 106		EVENING NEWS	HOME IMPROVEMENT		BROOKLYN BRIDGE		RAVEN		
UPN 113		STAR TREK: VOYAGER			ENTERTAINMENT TONIGHT		WORLD NEWS		
CINE 210		EYEWITNESS	FUN CITY			DOUBLE TROUBLE			
CHN 305		PRIME NEWS	BOTH SIDES		RELIABLE SOURCES		HOME AND GARDEN		
USA 422		COUNTER STRIKE			QUANTUM LEAP				
MORE		MOVIES		SPORTS		OTHER		ALL	EXIT
HOME FOUND. PRESS MENU AGAIN TO FIND ANOTHER OCCURRENCE									

1c

CH 150				Program Guide		7:05pm	
7:00pm		7:30pm		8:00pm		8:30pm	
HBO 102	OTHER PEOPLE'S MONEY			FREE PREVIEW		DREAM ON	
CBS 106	EVENING NEWS	HOME IMPROVEMENT		BROOKLYN BRIDGE		RAVEN	
UPN 113	STAR TREK: VOYAGER			ENTERTAINMENT TONIGHT		WORLD NEWS	
CNE 210	EYEWITNESS	FUN CITY				DOUBLE TROUBLE	
CHN 305	PRIME NEWS	BOTH SIDES		RELIABLE, SOURCES		HOME AND GARDEN	
USA 422	COUNTER STRIKE			QUANTUM LEAP			
MORE		MOVIES	SPORTS	OTHER	ALL		EXIT
HOME FOUND. PRESS MENU AGAIN TO FIND ANOTHER OCCURRENCE							



2

The diagram shows a rectangular frame containing a rounded rectangle labeled 'GOPHER PROGRAM'. Inside this rounded rectangle, the text 'ENTER TEXT STRING FOR SEARCH:' is followed by the example text 'ZULL AND MICHAEL CAINE'. A dashed line separates this from the 'WHEN FOUND:' section, which contains two options: 'DISPLAY A "PROGRAM LOCATED" MESSAGE' (unchecked) and 'PROGRAM VCR TO RECORD' (checked). A callout line labeled '210' points to the top right corner of the rounded rectangle, and another callout line labeled '200' points to the right side of the rounded rectangle.

GOPHER PROGRAM

ENTER TEXT STRING FOR SEARCH:

ZULL AND MICHAEL CAINE

-----

WHEN FOUND:

☐ DISPLAY A "PROGRAM LOCATED" MESSAGE

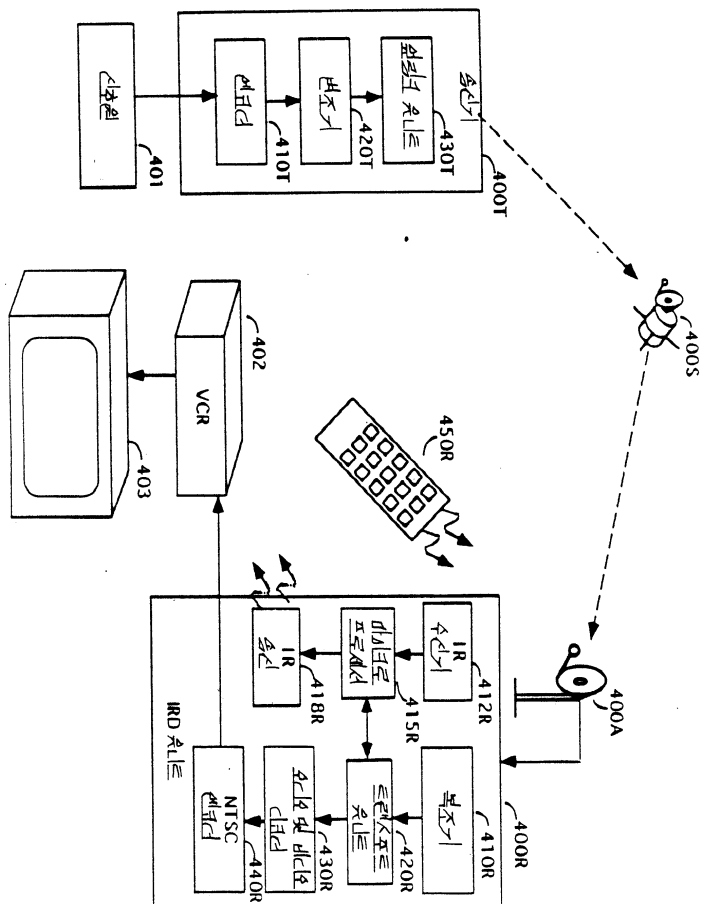
☒ PROGRAM VCR TO RECORD

CH150		Program Guide				7:05pm	
		7:00pm				<div>MOVIE TITLE: ZULU STARRING: STANLEY BAKER &amp; MICHAEL CAINE PRODUCER: STANLEY BAKER RATING: PG-13 (VIOLENCE)  REVIEW: ☆☆☆½  PLOT: A VASTLY OUTNUMBERED COMPANY OF BRITISH SOLDIERS IN LATE 19TH CENTURY SOUTH AFRICA DEFENDS AN ISOLATED OUTPOST AGAINST AN ATTACK BY 40,000 ZULU WARRIORS.</div>	
HBO 102	OTHER PEOPLE'S MONEY						
CBS 106	EVENING NEWS	FRA TUE					
UPN 113	STAR TREK: VOYAGER						
CINE 210	CINE SATURDAY NIGHT MOVIE: ZULU						
QNN 305	PRIME NEWS	BOTH SIDES	RELIABLE SOURCES	WORLD NEWS			
USA 422	COUNTER STRIKE			QUANTUM LEAP			
MORE	MOVIES	SPORTS	OTHER	ALL	EXIT		

310

320

4



5

TITLE	TOPIC	THEME	KEYWORD	ACTION	TIME
Star Trek				remind	always
The Shining				record	always
	movie	drama		report	now
			robot	remind	always

Exit

Help

Watchdog 1

Watchdog 2

Watchdog 3

Watchdog 4

TIMER 1

Watchdog 1 will search  
titles and descriptions for

B

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

▶

Save

Space

Clear

Press MENU to either watch or record this program.  
Press ▶ to continue.

7

