

(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2003/0154485 A1****Johnson et al.**(43) **Pub. Date: Aug. 14, 2003**(54) **ALLOCATION OF RECORDING SPACE PER USER AND APPLICATION****Publication Classification**(76) Inventors: **Carolynn Rae Johnson**, Indianapolis, IN (US); **Phillip Aaron Junkersfeld**, Fishers, IN (US); **Daniel Richard Schneidewend**, Fishers, IN (US)(51) **Int. Cl.⁷** **H04N 9/74**; H04N 9/79; H04N 9/87; G11B 27/00; G06F 3/00; H04N 5/445; H04N 5/91; H04N 7/00; G06F 13/00; H04N 7/173; H04N 7/16
(52) **U.S. Cl.** **725/89**; 725/134; 725/142; 386/46; 386/4; 386/35

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PRINCETON, NJ 08543-5312 (US)(57) **ABSTRACT**(21) Appl. No.: **10/121,403**(22) Filed: **Apr. 12, 2002****Related U.S. Application Data**

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A system and method for partitioning storage space in a video recording system or multi-media system into a plurality of discrete partitions. Each of the discrete partitions can be allocated to a different user of the video recording system or application of the multi-media system. Furthermore, the systems are designed to allocate an amount of the storage space to each partition to eliminate hoarding of the storage space by only one user or application.

RECORDING SPACE PARTITION

THIS FEATURE ALLOWS YOU TO INDICATE HOW MUCH RECORDING SPACE ON YOUR PERSONAL VIDEO RECORDER SHOULD BE RESERVED FOR EACH MEMBER OF YOUR HOUSEHOLD.

PIP

FOR EXAMPLE, IF THERE ARE FOUR PEOPLE IN YOUR HOUSEHOLD WHO WILL BE RECORDING PROGRAMMING, YOU CAN SET UP THIS UNIT SO THAT EACH PERSON HAS UP TO 25% OF THE STORAGE SPACE AVAILABLE FOR HIS OR HER USE AND HE OR SHE CANNOT EXCEED THAT LIMIT.

SELECT "BEGIN SETUP" BELOW TO SET UP THIS FEATURE. OR, SELECT "CANCEL" TO EXIT THIS SETUP PROCESS.

BEGIN SETUP

CANCEL

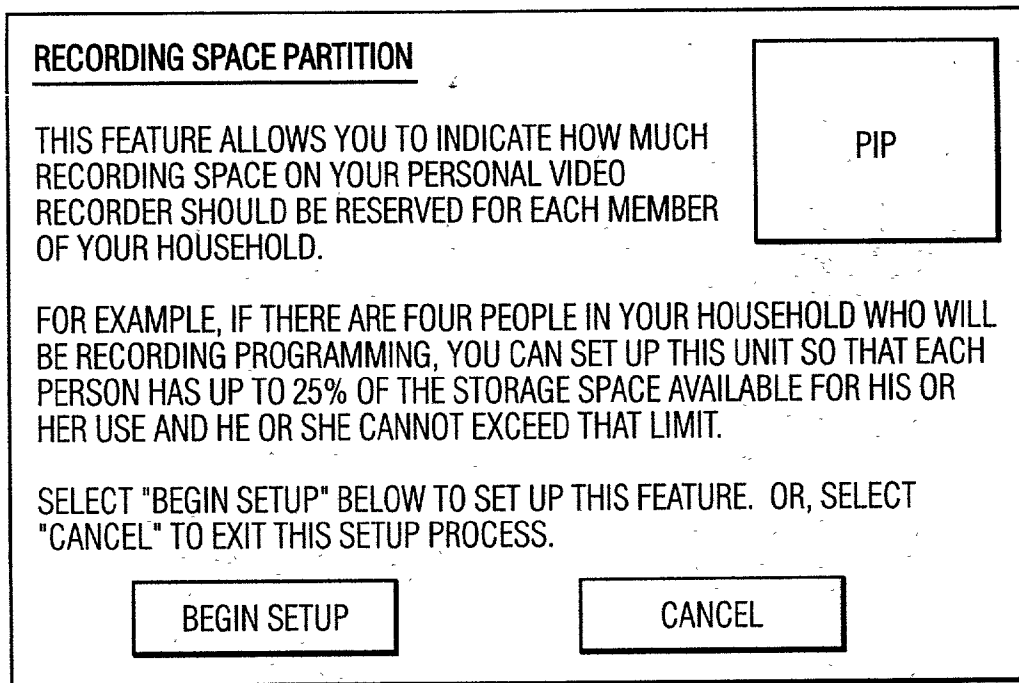


FIG. 1

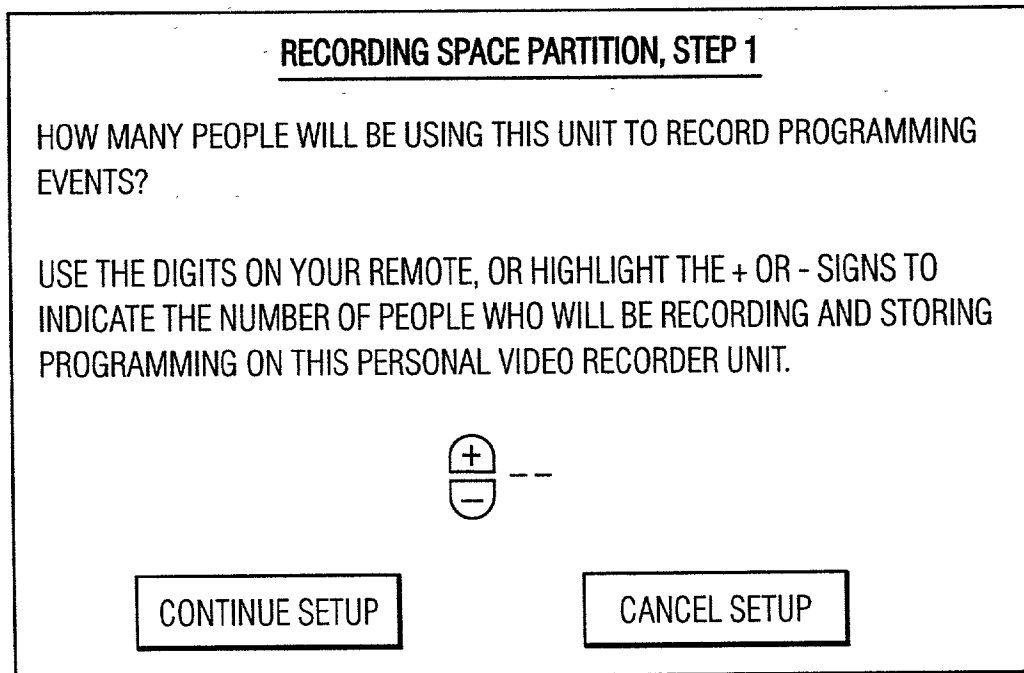


FIG. 2

RECORDING SPACE PARTITION, STEP 2

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	0	1		
2	3	4	5	6	7	8		
9	0	()	'	-	&		
@	<	>	SPACE					
CLEAR		BACKSPACE						

ENTER A NAME FOR EACH USER:

USER 1: S C O T T

USER 2: A N T H O N Y

USER 3: - - - - -

USER 4: - - - - -

CONTINUE SETUP

CANCEL SETUP

FIG. 3

RECORDING SPACE PARTITION, STEP 3

HOW MUCH RECORDING SPACE SHOULD EACH USER HAVE ACCESS TO?

SCOTT: 25 %

ANTHONY: 25 %

USER 3: 25 %

USER 4: 25 %

USE THE DIGITS ON YOUR REMOTE,
OR HIGHLIGHT THE + OR - SIGNS TO
ADJUST THE PERCENT OF RECORDING
SPACE ALLOCATED TO EACH USER.

CONTINUE SETUP

CANCEL SETUP

FIG. 4

RECORDING SPACE PARTITION, STEP 4

USE YOUR REMOTE TO ENTER A PASSWORD FOR EACH USER, TO PREVENT ANOTHER USER FROM USING THAT STORAGE SPACE:

	ENTER PASSWORD	VERIFY PASSWORD
SCOTT:	* * * *	* * * *
ANTHONY:	* * * *	* * * *
USER 3:	* * * *	* * * *
USER 4:	* * * *	* * * *

SKIP THIS STEP

CANCEL SETUP

FIG. 5

PIP	NBC 134	TUESDAY 04/25/00	8:15 PM
	3RD ROCK FROM THE SUN [NR (NOT RATED)] 8PM - 8:30PM		
04/25	8PM	8:30PM	9PM
ABC 123	WHO WANTS TO BE A MILLIONAIRE		DARMA & GREG
CBS 124	JAG		60 MINUTES
CNN 126	THE WORLD TODAY		LARRY KING
ESPN 128	NHL HOCKEY		
ESP2 129	MOTO MADNESS		
FOX 131	THE '70S SHOW		GREED
NBC 134	3RD ROCK FROM...	FRASIER	
UPN 135	ENTERPRISE		CSI: CRIME SC...
HSN 137	GEMS AND JEWELS		SILVER GIFTS

3RD ROCK FROM...

RECORD TO SCOTT

RECORD TO ANTHONY

RECORD TO USER 3

RECORD TO USER 4

FIG. 6

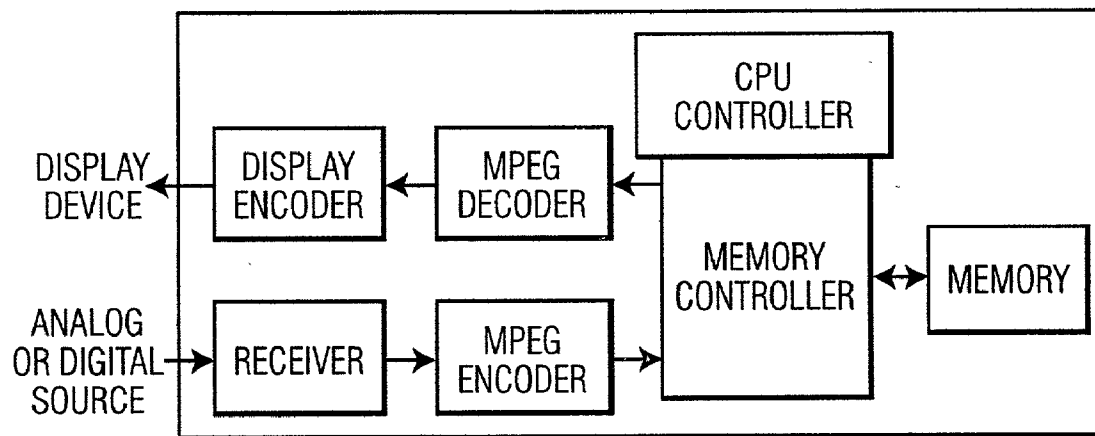


FIG. 7

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