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(54) **ALLOCATION OF RECORDING SPACE PER USER AND APPLICATION**

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(57) **ABSTRACT**

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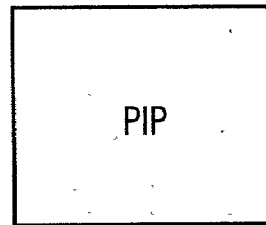
FOR EXAMPLE, IF THERE ARE FOUR PEOPLE IN YOUR HOUSEHOLD WHO WILL BE RECORDING PROGRAMMING, YOU CAN SET UP THIS UNIT SO THAT EACH PERSON HAS UP TO 25% OF THE STORAGE SPACE AVAILABLE FOR HIS OR HER USE AND HE OR SHE CANNOT EXCEED THAT LIMIT.

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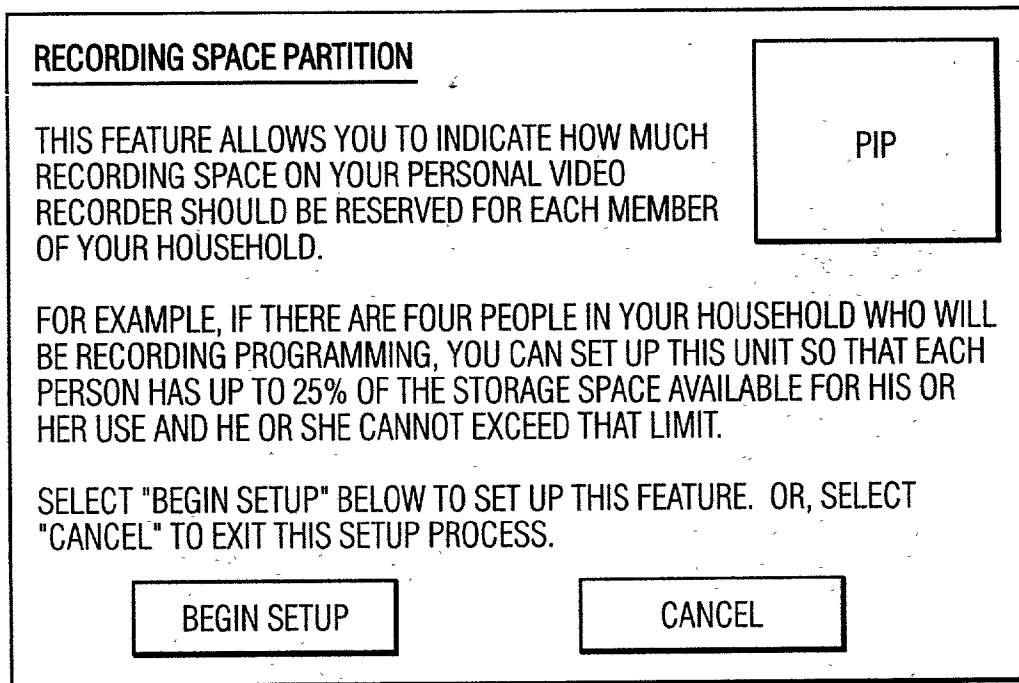
| BEGIN SETUP | | CANCEL |

PIP

## FIG. 1

**RECORDING SPACE PARTITION, STEP 1**

HOW MANY PEOPLE WILL BE USING THIS UNIT TO RECORD PROGRAMMING EVENTS?

USE THE DIGITS ON YOUR REMOTE, OR HIGHLIGHT THE + OR - SIGNS TO INDICATE THE NUMBER OF PEOPLE WHO WILL BE RECORDING AND STORING PROGRAMMING ON THIS PERSONAL VIDEO RECORDER UNIT.

$\oplus$
$\ominus$  _ _

| CONTINUE SETUP | | CANCEL SETUP |
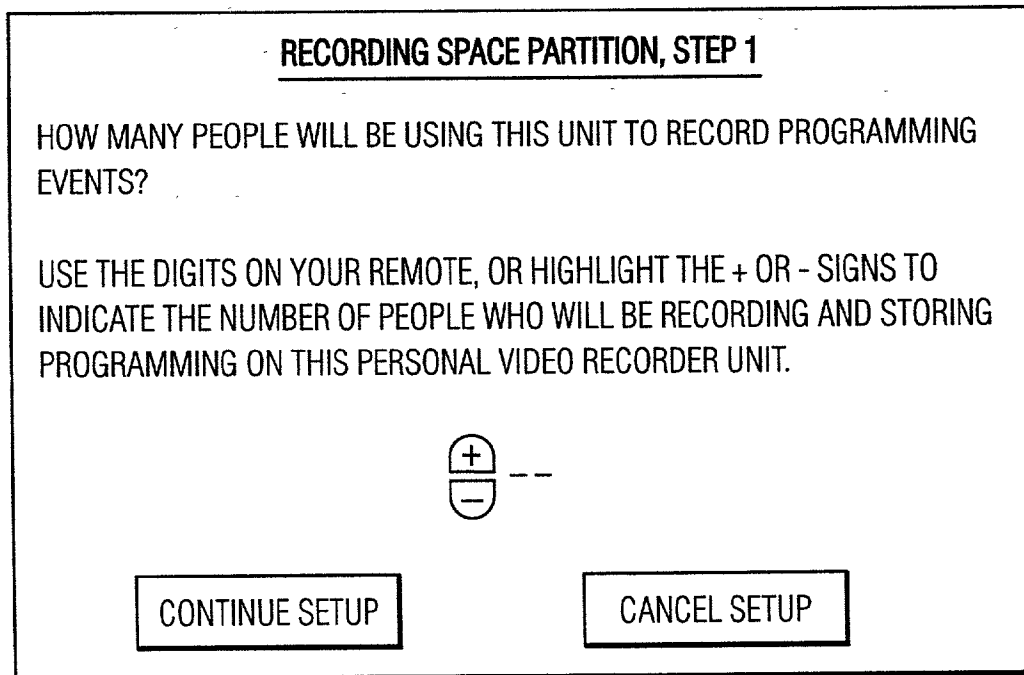
## FIG. 2

## 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
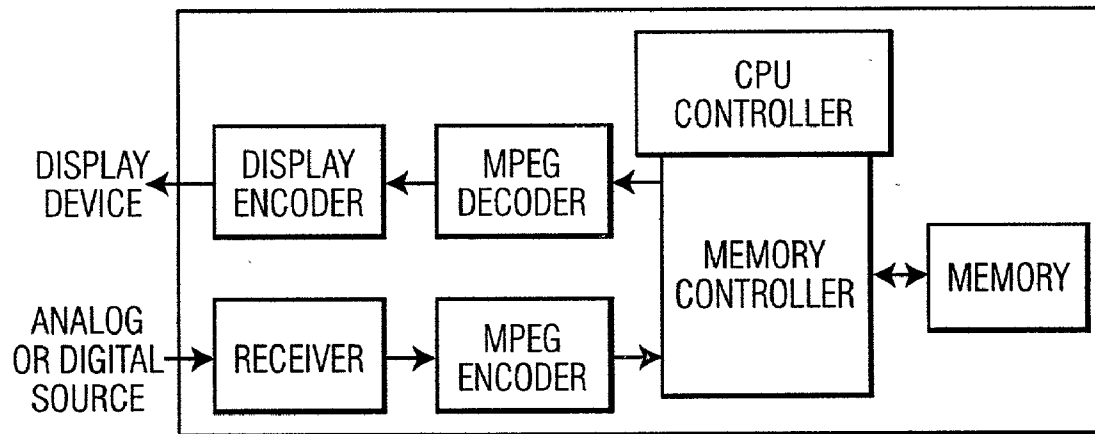RECORD TO USER 3
RECORD TO USER 4

## FIG. 6

FIG. 7

# DOCKET ALARM

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