G00002

163163

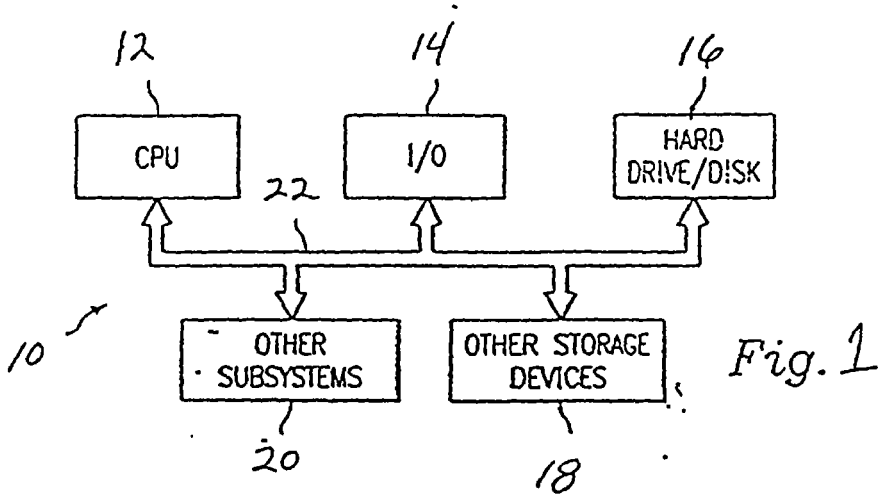


Fig. 1

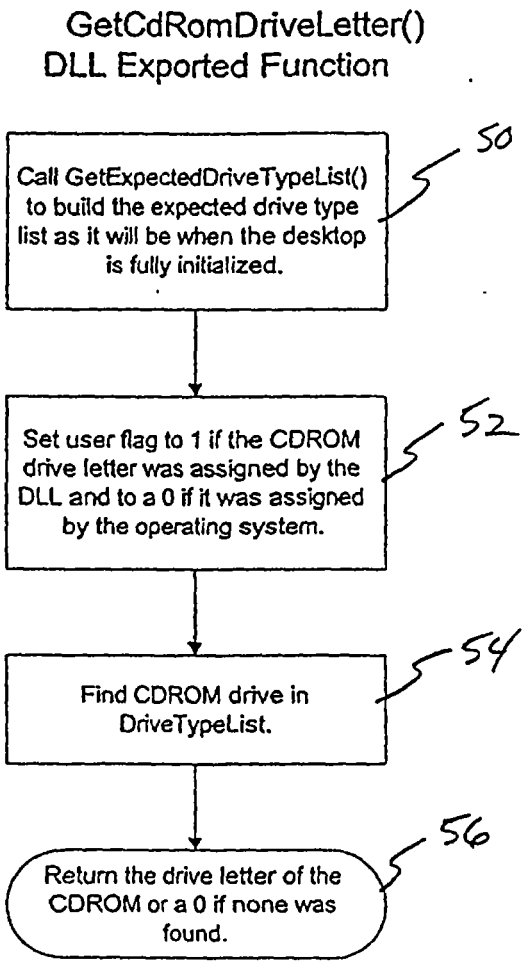


FIG. 2

* Returns the drive letter of the CDROM Drive or a Zero if the CDROM was not found or expected.
* If the caller passes a pointer to an integer, this function will set the value to a 0 if the operating system assigned the drive letter for the CDROM and a 1 if the drive letter was assigned by the DLL functionality.

GetFakeCdRomDriveLetter() .
DLL Exported Function

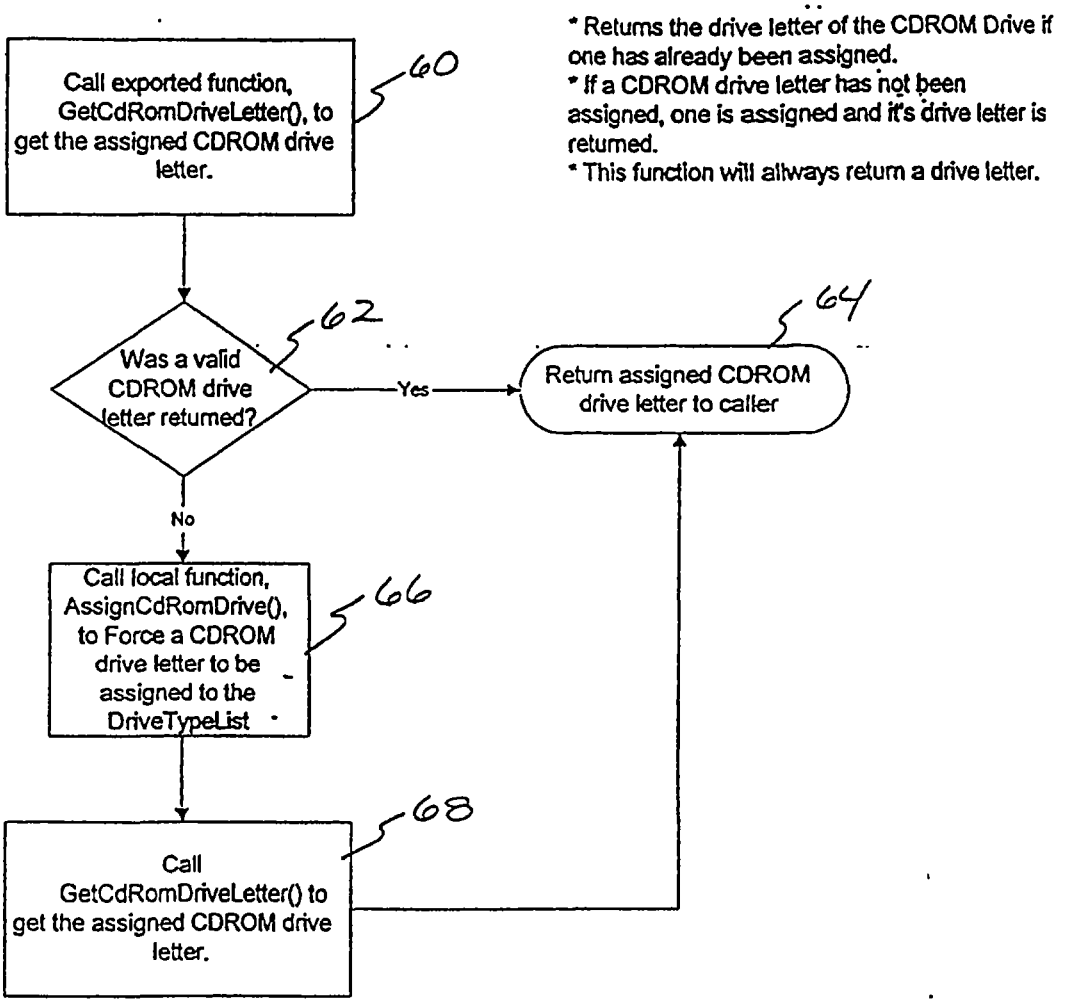


FIG. 3

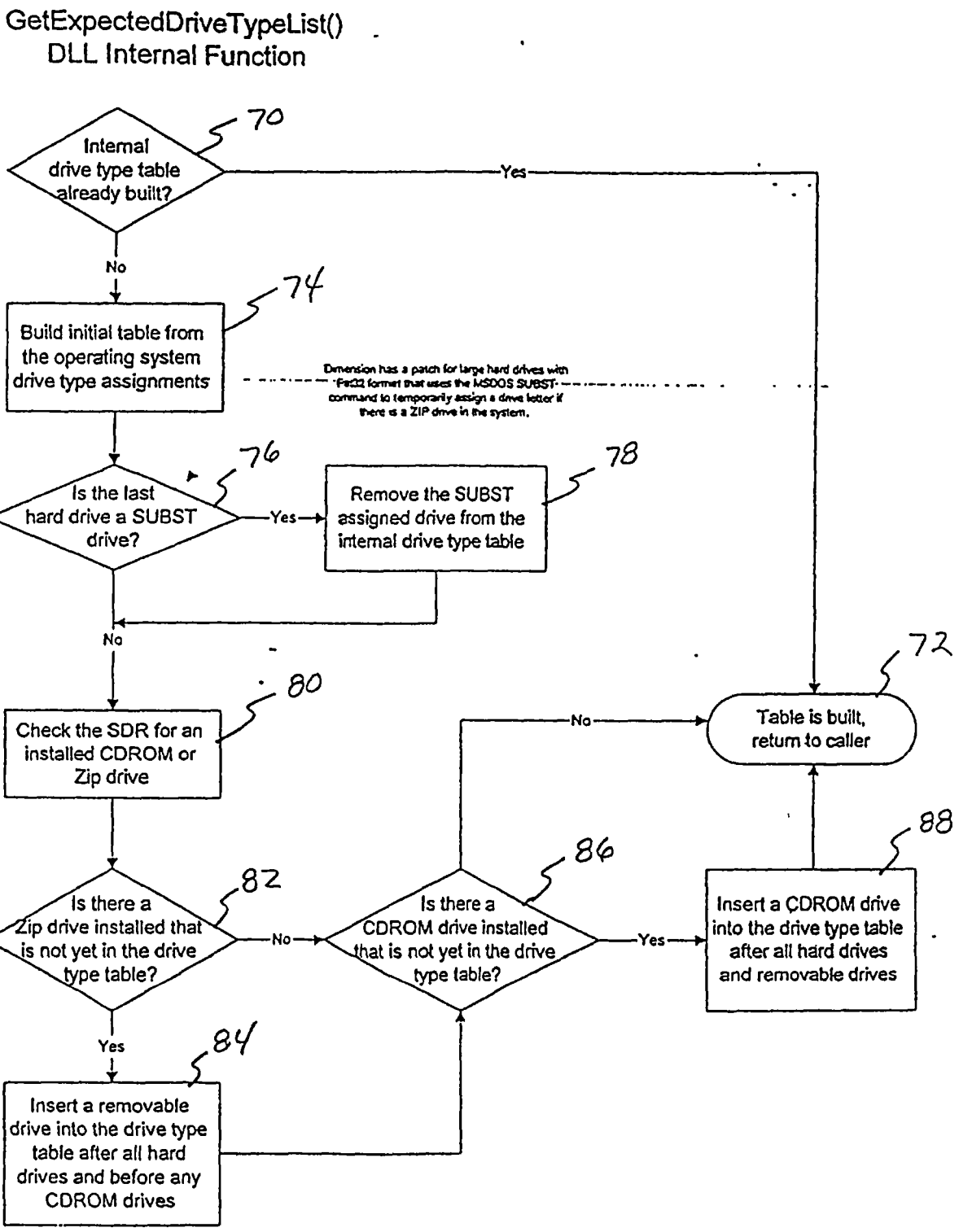

GetExpectedDriveTypeList()
DLL Internal Function
Internal drive type table already built?
70
Yes
No
Build initial table from the operating system drive type assignments
74
Dimension has a patch for large hard drives with Fat32 format that uses the MSDOS SUBST command to temporarily assign a drive letter if there is a ZIP drive in the system.
Is the last hard drive a SUBST drive?
76
Yes
Remove the SUBST assigned drive from the internal drive type table
78
No
Check the SDR for an installed CDROM or Zip drive
80
Table is built, return to caller
72
No
Is there a Zip drive installed that is not yet in the drive type table?
82
No
Is there a CDROM drive installed that is not yet in the drive type table?
86
Yes
Insert a CDROM drive into the drive type table after all hard drives and removable drives
88
Yes
Insert a removable drive into the drive type table after all hard drives and before any CDROM drives
84

FIG. 4

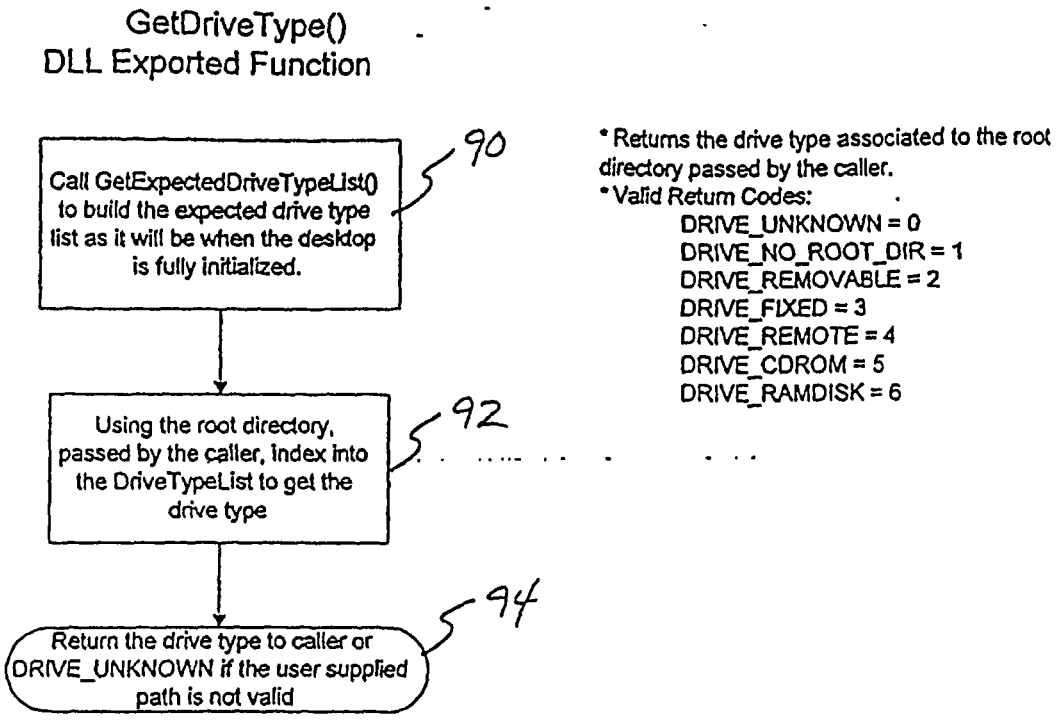

GetDriveType()
DLL Exported Function
Call GetExpectedDriveTypeList() to build the expected drive type list as it will be when the desktop is fully initialized.
90
Using the root directory, passed by the caller, index into the DriveTypeList to get the drive type
92
Return the drive type to caller or DRIVE_UNKNOWN if the user supplied path is not valid
94
* Returns the drive type associated to the root directory passed by the caller.
* Valid Return Codes:
DRIVE_UNKNOWN = 0
DRIVE_NO_ROOT_DIR = 1
DRIVE_REMOVABLE = 2
DRIVE_FIXED = 3
DRIVE_REMOTE = 4
DRIVE_CDROM = 5
DRIVE_RAMDISK = 6

FIG. 5