

Listing: CDUTIL.H

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/*****
/*          C D U T I L . H          */
/**-----**/
/* Task          : Header file for CDUTIL.C          */
/**-----**/
/* Author          : Michael Tischer / Bruno Jennrich          */
/* Developed on   : 04/08/94          */
/* Last update    : 04/18/94          */
/**-----**/
/* COMPILER       : Borland C++ 3.1, Microsoft Visual C++ 1.5          */
/*****
#ifdef __INC_CDUTIL_H
#define __INC_CDUTIL_H

#include "types.h"

/* The structure variables marked '=' in the documentation          */
/* must be initialized by the programmer. The          */
/* other fields/elements are returned by the device driver.          */

/*- Addressing Modes -----*/
#define HSG 0
#define REDBOOK 1

/*- MSCDEX - Function codes ( passed in AL ) -----*/
#define MSCDEX_GET_NO_OF_DRIVE_LETTERS          0x00
#define MSCDEX_GET_DRIVE_DEVICE_LIST          0x01
typedef struct tagDevElement
{
    BYTE          bSubUnit;          /* Number of SubUnit */
    LPDeviceHeader lpDeviceHeader;    /* Address of device headers */
} DevElement;

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typedef DevElement _FP *LPDevElement;

#define MSCDEX_GET_COPYRIGHT_FILENAME      0x02
#define MSCDEX_GET_ABSTRACT_FILENAME      0x03
#define MSCDEX_GET_BIB_DOC_FILENAME      0x04
#define MSCDEX_READ_VTOC                  0x05
#define MSCDEX_DEBUG_ON                   0x06
#define MSCDEX_DEBUG_OFF                   0x07
#define MSCDEX_ABSOLUTE_DISK_READ         0x08
#define MSCDEX_ABSOLUTE_DISK_WRITE        0x09
#define MSCDEX_RESERVED                   0x0A

/*- MSCDEX - Functions V2.00 and above -----*/
#define MSCDEX200_CD_ROM_DRIVE_CHECK      0x0B
#define MSCDEX200_GET_VERSION              0x0C
#define MSCDEX200_GET_DRIVE_LETTERS       0x0D
#define MSCDEX200_GETSET_VD_PREFERENCE    0x0E
#define MSCDEX200_GET_DIRECTORY_ENTRY     0x0F
#define DIRECT_COPY 0
#define STRUCT_COPY 1

/*- MSCDEX - Functions V2.10 and above -----*/
#define MSCDEX210_SEND_DEVICE_REQUEST      0x10

/*- Number of Multiplex-Interrupt -----*/
#define DOS_MULTIPLEX_INT                  0x2F

/*- ID code of MSCDEX interrupt calls -----*/
#define MSCDEX_MULTIPLEX_CODE (0x1500)
#define MSCDEX_MUXCODE( code ) ( MSCDEX_MULTIPLEX_CODE | ( code ) )

/*- Prototypes -----*/

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LONG Time2Frame( INT iMin, INT iSec, INT iFrame );
LONG Time2HSG( INT iMin, INT iSec, INT iFrame );
LONG Time2REDBOOK( INT iMin, INT iSec, INT iFrame );
VOID Frame2Time( LONG lFrame, LPINT lpiMin,
                 LPINT lpiSec,
                 LPINT lpiFrame );
VOID REDBOOK2Time( LONG lREDBOOK, LPINT lpiMin,
                   LPINT lpiSec,
                   LPINT lpiFrame );
VOID HSG2Time( LONG lHSG, LPINT lpiMin,
              LPINT lpiSec,
              LPINT lpiFrame );
LONG REDBOOK2HSG( LONG lREDBOOK );
LONG HSG2REDBOOK( LONG lHSG );
INT MSCDEX_GetNumberOfDriveLetters( LPINT lpiNumber,
                                     LPINT lpiStartLetter );
INT MSCDEX_Installed( VOID );
INT MSCDEX_GetCDRomDriveDeviceList( LPDevElement lpDevElement );
INT MSCDEX_GetCopyrightFilename( INT iCD_Drive_Letter,
                                  LPCHAR lpName );
INT MSCDEX_GetAbstractFilename( INT iCD_Drive_Letter,
                                 LPCHAR lpName );
INT MSCDEX_GetBibDocFilename( INT iCD_Drive_Letter,
                              LPCHAR lpName );
INT MSCDEX_ReadVTOC( INT iCD_Drive_Letter,
                    LPBYTE lpSector,
                    INT iNumSec );
INT MSCDEX_DebugOn( VOID );
INT MSCDEX_DebugOff( VOID );
INT MSCDEX_AbsoluteRead( INT iCD_Drive_Letter,
                        LPBYTE lpSector,
                        INT iSecCnt,

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                                LONG        lSecStart );
INT MSCDEX_AbsoluteWrite( INT        iCD_Drive_Letter,
                                LPBYTE    lpSector,
                                INT        iSecCnt,
                                LONG        lSecStart );
INT MSCDEX200_CDROMDriveCheck( INT iCD_Drive_Letter );
INT MSCDEX200_GetVersion( VOID );
INT MSCDEX200_GetCDROMDriveLetters( LPCHAR lpLetters );
INT MSCDEX200_GetVDPPreference( INT iCD_Drive_Letter,
                                LPINT lpiPreference );
INT MSCDEX200_SetVDPPreference( INT iCD_Drive_Letter,
                                INT iPreference );
INT MSCDEX200_GetDirectoryEntry( INT iCD_Drive_Letter,
                                INT iCopyFlag,
                                LPCHAR lpPathName,
                                LPVOID lpData,
                                LPINT lpiHSG );
INT MSCDEX_ReadWriteReq( INT iCD_Drive_Letter,
                        INT iCommand,
                        LPVOID lpControlBlock,
                        INT iControlBlockSize );
INT MSCDEX210_SendDeviceRequest( INT iCD_Drive_Letter,
                                LRequestHeader lpReqHdr );
INT MSCDEX_SendDeviceRequest( INT iCD_Drive_Letter,
                                LRequestHeader lpReqHdr );

#endif /*- #ifndef _INC_CDUTIL_H -----*/

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