

**PBMakeFSSpec**

Make an FSSpec record

#include &lt;Files.h&gt;

**File Manager**

**OSErr**            **PBMakeFSSpec**(*pb*, *async*);  
**HParamBlkPtr** *pb*;            pointer to an array of FSSpec records  
**Boolean**        *async*;        0=await completion; 1=immediate return  
**returns**        Error Code; 0=no error

Given a complete specification for a file or directory, **PBMakeFSSpec** fills in an FSSpec record that identifies the file or directory.

*pb* is the address of an HParamBlockRec structure. The relevant fields are as follows:

<u>Out-In Name</u>	<u>Type</u>	<u>Size</u>	<u>Offset</u>	<u>Description</u>
→ ioCompletion	<u>ProcPtr</u>	4	12	pointer to completion routine
← ioResult	<u>short</u>	2	16	result code
→ ioNamePtr	<u>StringPtr</u>	4	18	pointer to volume name
→ ioVRefNum	<u>short</u>	2	22	volume specification
→ ioMisc	<u>Ptr</u>	4	28	pointer to <u>FSSpec</u> record
→ ioDirID	<u>long</u>	4	48	parent directory ID

*async* is a Boolean value. Use FALSE for normal (synchronous) operation or TRUE to enqueue the request and resume control immediately. See Async I/O.

**Returns:** an operating system Error Code. It will be one of:

noErr	(0)	No error (entire catalog has not been searched)
fnfErr	(-43)	File or directory does not exist ( <u>FSSpec</u> is still valid)

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Notes: See **Using FSSpec Records** under Using the File Manager for a detailed description of valid file specifications.

**Field descriptions**

ioCompletion	A pointer to the completion routine.
ioResult	Result code.
ioNamePtr	A pointer to the file or directory name.
ioVRefNum	The volume specification (volume reference number, working directory reference number, drive number, or 0 for default volume).
ioMisc	A pointer to the <u>FSSpec</u> record.
ioDirID	The directory or parent directory specification.

If the specified volume is mounted and the specified parent directory exists, but the target file or directory doesn't exist in that location, **PBMakeFSSpec** fills in the record and returns fnfErr instead of noErr. The record is valid, but it describes a target that doesn't exist. You can use the record for another operation, such as creating a file to replace one that is missing.

In addition to the result codes listed here, **PBMakeFSSpec** can return a number of different **File Manager** error codes. When **PBMakeFSSpec** returns any result other than noErr or fnfErr, all fields of the resulting FSSpec record are set to 0.