

January 15, 1999



SIGHTSOUND.COM

VIA FEDERAL EXPRESS

Steven Jobs  
Chairman & CEO  
c/o Andrea Nordemann  
Apple Computer, Inc.  
1 Infinite Loop  
Cupertino, California 95014-2084

Dear Mr. Jobs:

SIGHTSOUND.COM is a Download Service Provider ("DSP") to owners of audio and video recordings and we believe that the download sale of movies and music will become the consumers' method of choice. Currently, SIGHTSOUND.COM is selling music over the Internet in a compressed and encrypted format. We have identified specific functionality we believe would be beneficial to have added to the Mac OS. Additionally, we believe there is an opportunity for Apple to participate in the manufacture of an open platform audio player. Attached is a graphic detailing these finding.

I look forward to meeting with you to discuss Apple's possible involvement in providing such hardware and software. We are in such discussions with Microsoft and we believe it would be in the consumers' interest to include Apple Computer as well.

Sincerely,  
SIGHTSOUND.COM

Scott C. Sander  
President  
Chief Executive Officer

Enclosure

SCS:mg

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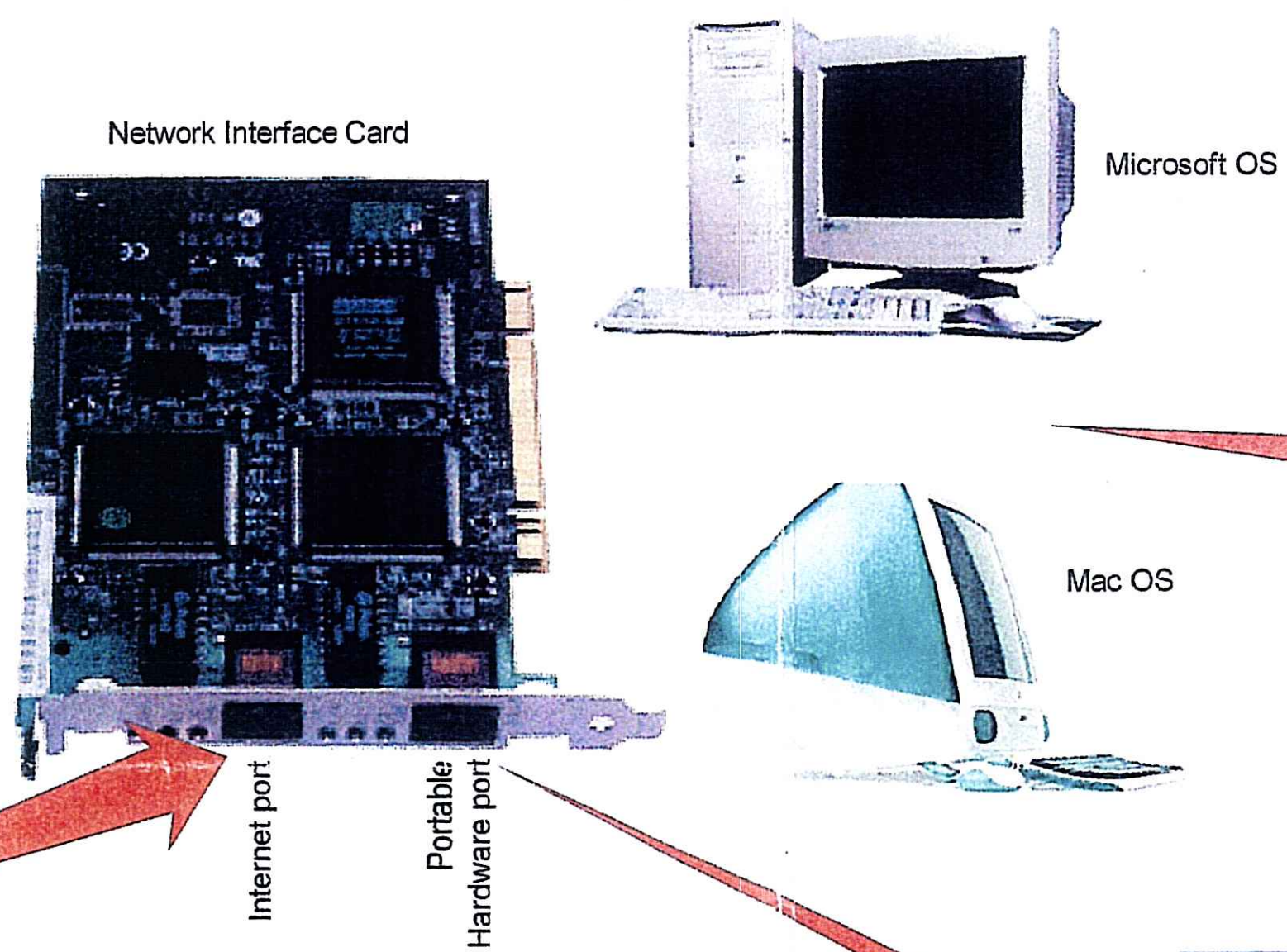
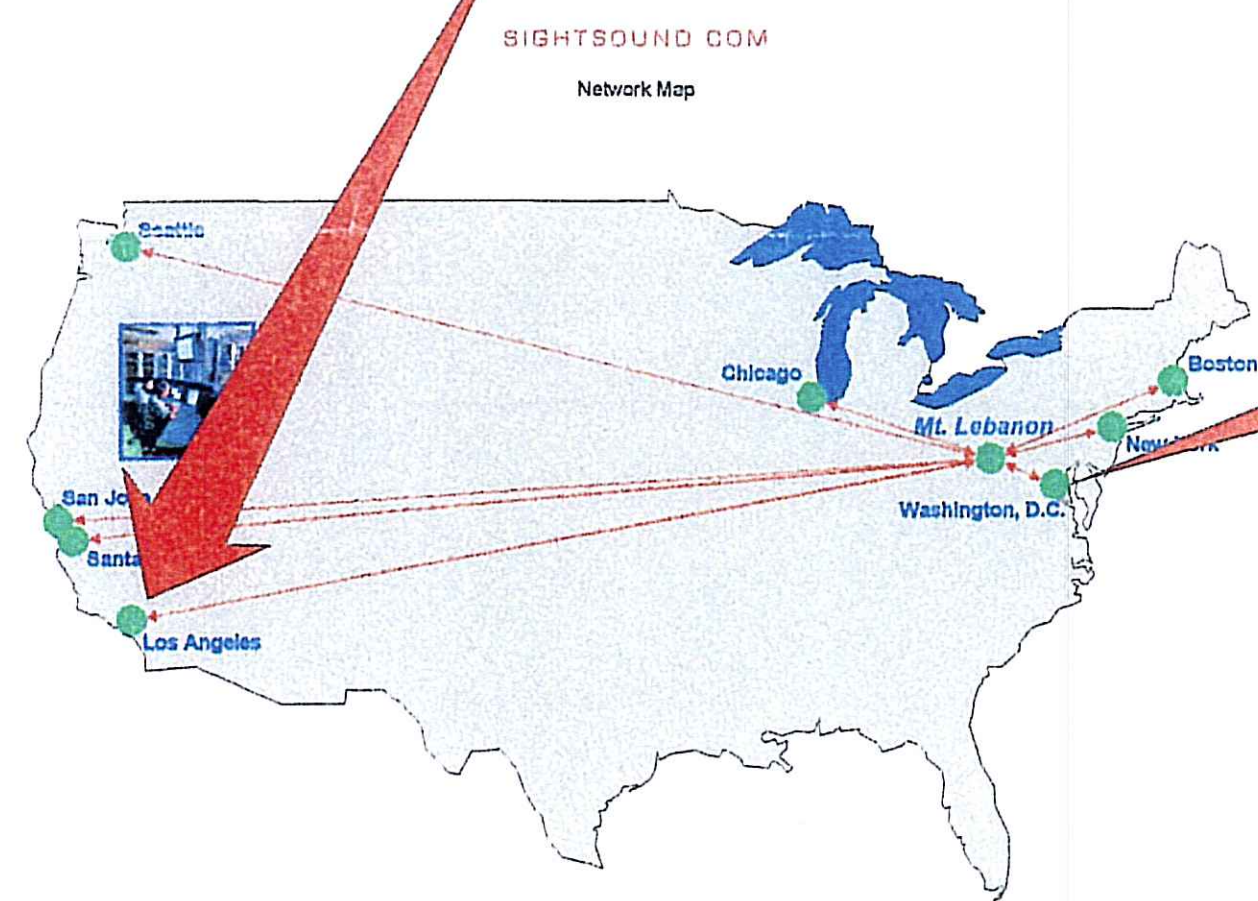
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SIGHTSOUND TECHNOLOGIES, LLC

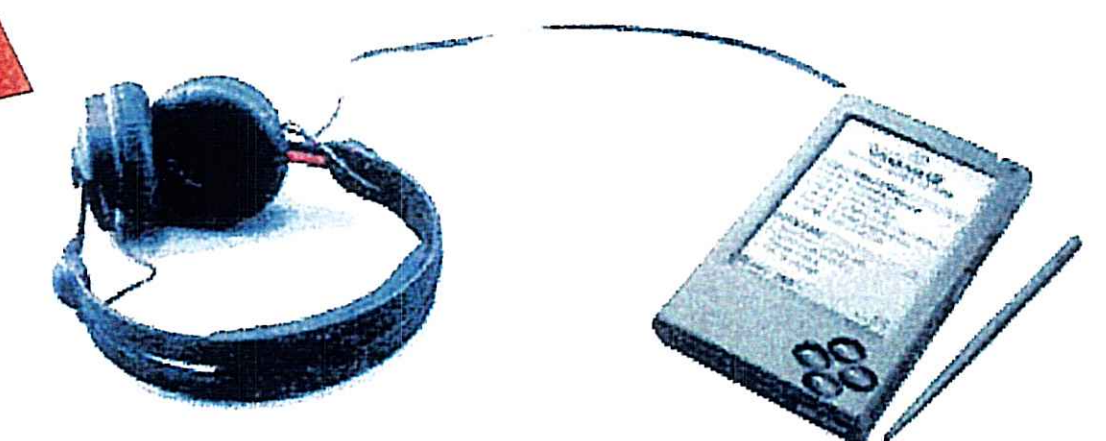
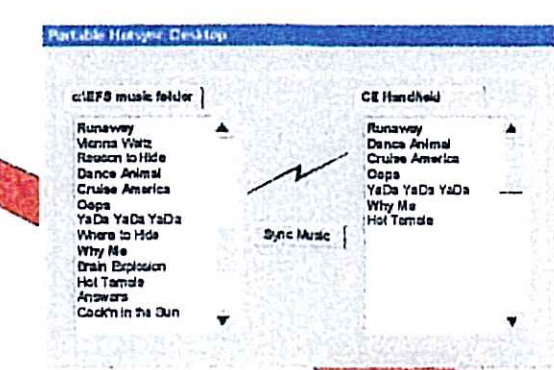
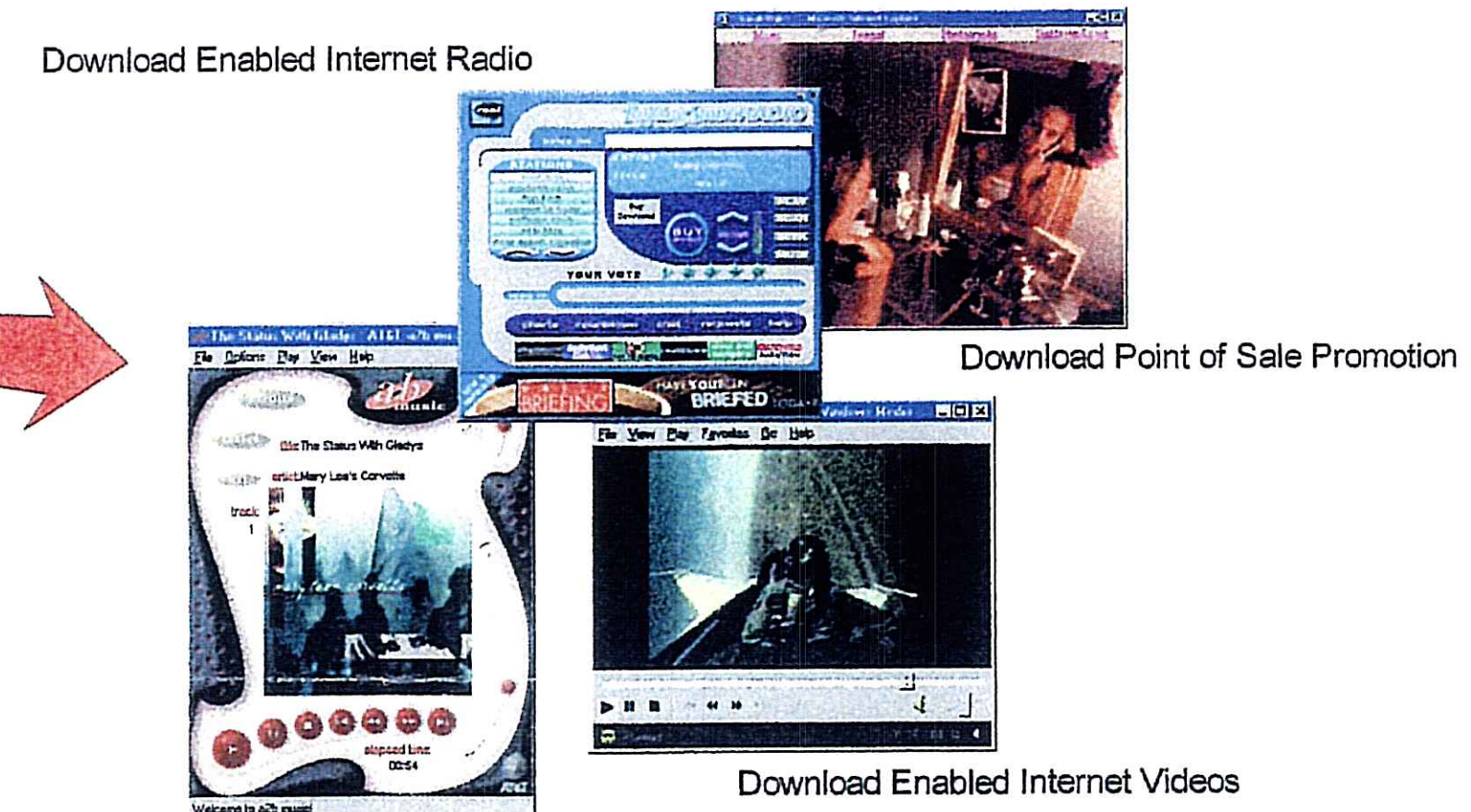
EXHIBIT 2117

CBM2013-00020 (APPLE INC. v. SIGHTSOUND TECHS., LLC)

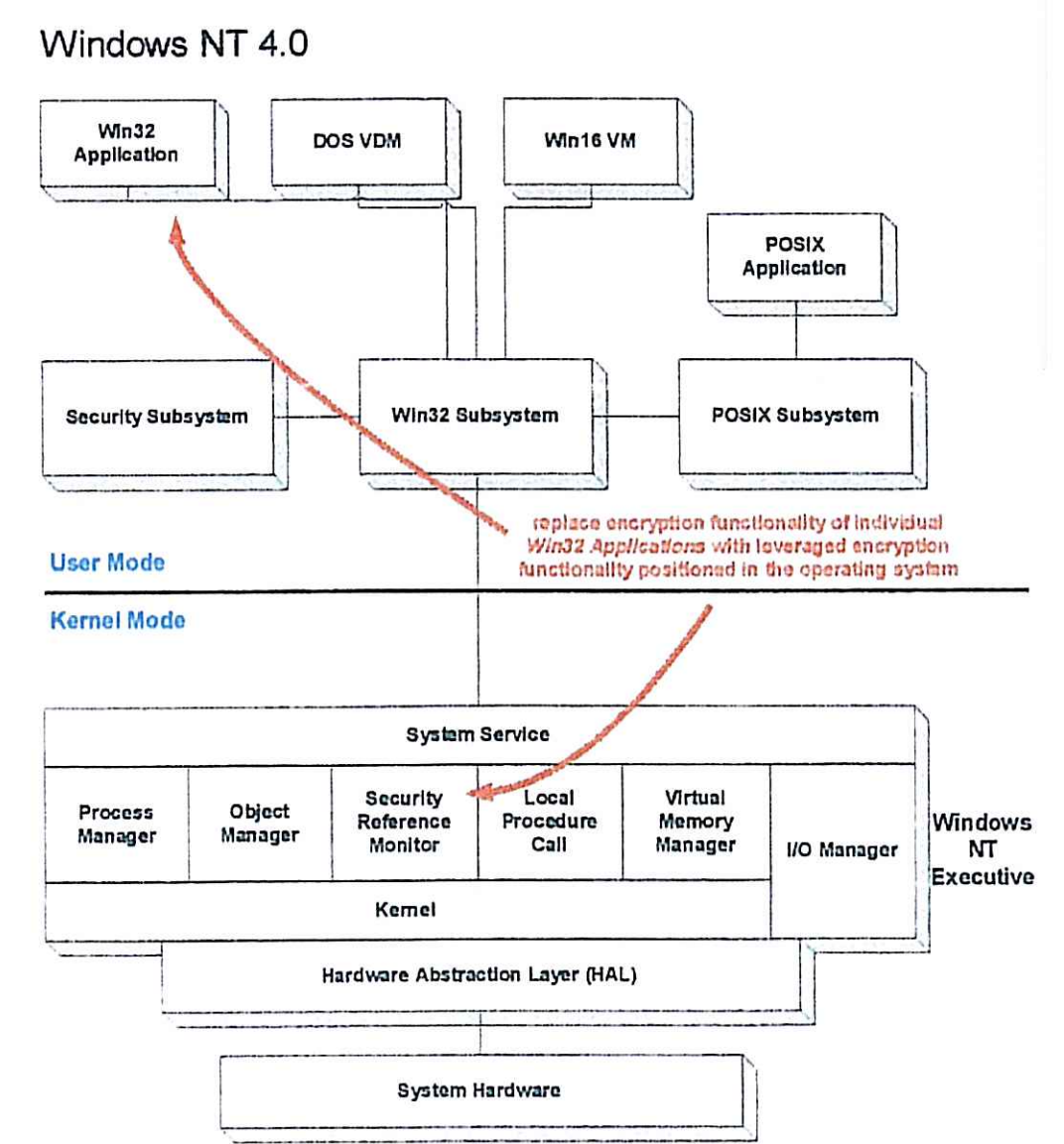
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# SIGHTSOUND.COM



Windows CE / Apple Mac Handheld Audio/Video Player



**Operating System Security Enhancements**  
 SIGHTSOUND.COM sells music (digital audio files) via the Internet in download fashion. Currently, a "one key fits all" security architecture does not exist for Internet users. Encryption/decryption currently takes place at the application level (i.e. Win32 Application), and once the music is decrypted, an unencrypted audio signal is sent by the application (i.e. the audio player) to the OS for playback through the sound card. If a consumer of encrypted audio files experiences a hard disk failure and must reinstall their audio player software, requiring a new encryption key, the new audio player will not be able to decrypt and playback their old library of purchased audio files which were encrypted with the lost key, even if they have backed up those audio files.

Microsoft has announced plans to include a Shared Public Key Infrastructure (Shared PKI) in the upcoming Windows NT 5.0 and permit application developers to take advantage of these new encryption features. SIGHTSOUND.COM believes that it would be to the benefit of both Microsoft and its customers if Microsoft provided a downloadable update for Windows CE, Win 95, Win 98, and Win NT 4.0 (if possible) to provide the same Shared PKI functionality, and that they be compatible with the Mac OS. SIGHTSOUND.COM also believes that it would be to the benefit of both Apple and its customers if Apple provided compatible Shared PKI functionality in their operating systems as well. SIGHTSOUND.COM believes that this "Shared Public Key" (Shared PK) will increase ease of use for the customer and increase on-line security for the audio/video files.

Additionally, Microsoft has announced plans to include an Encrypting File System (EFS) in the upcoming Windows NT 5.0, which supports transparent encryption and decryption of files stored on a disk. SIGHTSOUND.COM believes that it would be to the benefit of both Microsoft and its customers if Microsoft adds "merchant" functionality to the EFS and updates the Microsoft Commerce Server to provide an encrypted download link between a consumer's PC operated by Windows NT 5.0 and the merchant's Microsoft Commerce Server. Any file (i.e. WAV, AVI, MP4, EXE) could be sold and transmitted by the merchant's Microsoft Commerce Server, encrypted for Internet transmission (i.e. TLS or SSL) using the customer's Shared PK, decrypted by the customer's NT 5.0 using the Shared PK, re-encrypted by the customer's NT 5.0 using the updated EFS and using the customer's Shared PK, and saved to the customer's NTFS disk in encrypted format. Playback or opening of any file sold in this manner is only possible if the OS determines that its Shared PK matches the Shared PK used to initially encrypt the file. Additionally, SIGHTSOUND.COM believes that it would be to the benefit of both Microsoft and its customers if Microsoft adds "transparent" functionality to the EFS to enable the customer to pass along the EFS encrypted file without creating unauthorized duplicates. SIGHTSOUND.COM believes that it would be to the benefit of both Microsoft and its customers if Microsoft provided a downloadable update for Windows CE, Win 95, Win 98, and Win NT 4.0 (if possible) to provide the same EFS functionality, and that they be compatible with the Mac OS. SIGHTSOUND.COM also believes that it would be to the benefit of both Apple and its customers if Apple provided compatible EFS functionality in their operating systems as well. This would permit portability of EFS encrypted audio/video files from one PC or Mac to another, including portables running Windows CE.

