

IPR2016-01737 & IPR2016-01738

Apple Inc.

v.

Realtime Data LLC

Patent 8,880,862

Motions to Amend

Served December 29, 2017

Presented January 8, 2018

Argument Roadmap

- ❖ The proposed substitute claims
- ❖ Patent Owner has met its burden
- ❖ Apple must prove unpatentability
- ❖ Apple alleges four obviousness theories
- ❖ Each of Apple's theories fails

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Proposed Substitute Claims

Claims 118, 122, 124 and dependents
Four new limitations:

1. “**preloading**” compressed boot data, rather than simply “loading” the boot data;
2. preloading into a “**volatile memory**” rather than a “memory”;
3. “preloading” comprises “**transferring the portion of boot data in the compressed form into the volatile memory**”;
4. preloading occurs “**during the same boot sequence in which a boot device controller receives a command over a computer bus to load the portion of boot data.**”

Claim 174, 177, 179 and
Three new limitations:

1. “**preloading**” compressed boot data, rather than simply “loading” the boot data;
2. preloading by “**transferring a portion of the operating system from a first memory to a second memory**”;
3. preloading occurs “**during the same boot sequence in which a boot device controller receives a command over a computer bus to load the portion of boot data of the system.**”

Proposed Substitute Claims

118. (Substitute for claim 1, if found unpatentable) A method for providing accelerated loading of an operating system in a computer system, the method comprising:

- preloading a portion of boot data in a compressed form into a volatile memory, the portion of boot data in the compressed form being associated with a portion of a boot data list for booting the computer system into the operating system, wherein the preloading comprises transferring the portion of boot data in the compressed form into the volatile memory, and wherein the preloading occurs during the same boot sequence in which a boot device controller issues a load boot command over a computer bus to load the portion of boot data;
- accessing the preloaded portion of the boot data in the compressed form in the volatile memory;
- decompressing the accessed portion of the boot data in the compressed form at a rate that decreases a boot time of the operating system relative to booting the operating system utilizing boot data in an uncompressed form;
- updating the boot data list, wherein the decompressed portion of boot data comprises a portion of the operating system.

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