



Apple Inc., (Petitioner)
v.
Realtime Data LLC (Patent Owner)

Demonstratives
Trial Nos. IPR2016-01737, -01738, and -01739
U.S. Patent No. 8,880,862

Before Hon. G. W. Braden, Jason J. Chung, and Debra Steph
Administrative Patent Judges

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The '862 Patent and the Instituted Challen


Overview

These three related proceedings involve this patent with 117 original claims.

IPR2016-01737 challenges claims 1-23-34, 47-58, 83-96, 99-100, 105-116 as obvious over combinations featuring **Sukegawa** as the primary reference.

IPR2016-01738 challenges claims 8-59-82, 101-104, 114-115, and 117 as obvious over combinations featuring **Sukegawa** as the primary reference.

IPR2016-01739 challenges claims 5-98, and 112 as obvious over combinations featuring **Settsu** as the primary reference.



US008880862B2

(12) United States Patent
Fallon et al.

(10) **Patent No.:** US 8,880,862 B2
(45) **Date of Patent:** *Nov. 4, 2014

(54) **SYSTEMS AND METHODS FOR ACCELERATED LOADING OF OPERATING SYSTEMS AND APPLICATION PROGRAMS**

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(73) **Assignee:** Realtime Data, LLC, Armonk, NY (US)

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
This patent is subject to a terminal disclaimer.

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Related U.S. Application Data
(63) Continuation of application No. 11/551,211, filed on Oct. 19, 2006, now Pat. No. 8,112,619, which is a continuation of application No. 09/776,267, filed on Feb. 2, 2001, now Pat. No. 7,181,608.
(60) Provisional application No. 60/180,114, filed on Feb. 3, 2000.

(51) **Int. Cl.**
G06F 15/177 (2006.01)
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G06F 9/44 (2006.01)
G06F 9/445 (2006.01)
H03M 7/30 (2006.01)
G06F 1/24 (2006.01)

(52) **U.S. Cl.**
CPC G06F 3/0613 (2013.01); G06F 3/0638 (2013.01); G06F 3/0658 (2013.01); G06F 3/0676 (2013.01); G06F 9/4401 (2013.01); G06F 9/4406 (2013.01); G06F 9/445 (2013.01); H03M 7/30 (2013.01); G06F 1/24 (2013.01)

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USPC 713/2; 713/1; 711/13
(58) **Field of Classification Search**
USPC 713/2
See application file for complete search history.

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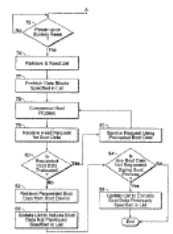
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(57) **ABSTRACT**
Systems and methods for providing accelerated loading of operating system and application programs upon system boot or application launch are disclosed. In one aspect, a method for providing accelerated loading of an operating system comprises the steps of: maintaining a list of boot data used for booting a computer system; preloading the boot data upon initialization of the computer system; and servicing requests for boot data from the computer system using the preloaded boot data. In another aspect, a method for providing accelerated launching of an application program comprises the steps of: maintaining a list of application data associated with an application program; preloading the application data upon launching the application program; and servicing requests for application data from a computer system using the preloaded application data.

117 Claims, 13 Drawing Sheets



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