Presentation of Petitioner Apple Inc.
Joined by Petitioners Yelp Inc. and Twitter Inc.

IPR2014-00086

IPR2014-00812

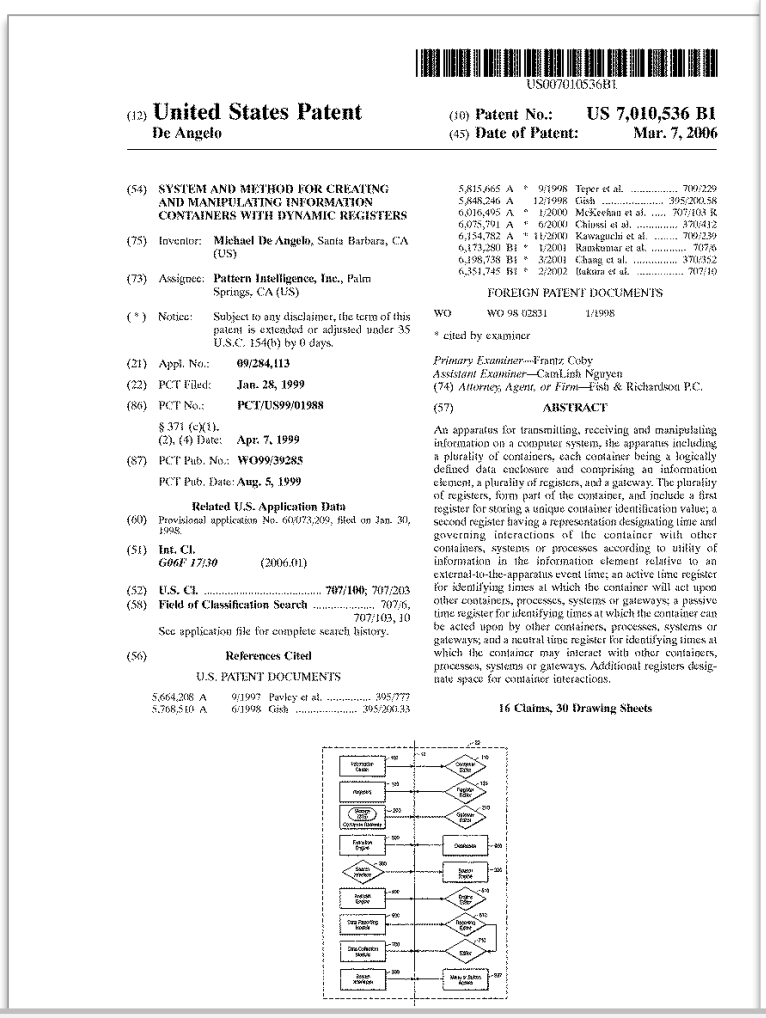
U.S. Patent No. 7,010,536

IPR2014-00086

Grounds in This Trial

- Whether Claims 2-12, 14, and 16 of the ’53 patent are anticipated by U.S. Patent No. 5,836,529 to Gibbs (Ex. 1006)

The ’536 Patent, Claim 2



US007010536B1

(12) **United States Patent**
De Angelo

(10) **Patent No.: US 7,010,536 B1**
(45) **Date of Patent: Mar. 7, 2006**

(54) **SYSTEM AND METHOD FOR CREATING AND MANIPULATING INFORMATION CONTAINERS WITH DYNAMIC REGISTERS**

(75) Inventor: **Michael De Angelo**, Santa Barbara, CA (US)

(73) Assignee: **Pattern Intelligence, Inc.**, Palm Springs, CA (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.

(21) Appl. No.: **09/284,113**

(22) PCT Filed: **Jan. 28, 1999**

(86) PCT No.: **PCT/US99/01988**

§ 371 (c)(1),
(2), (4) Date: **Apr. 7, 1999**

(87) PCT Pub. No.: **WO99/39285**

PCT Pub. Date: **Aug. 5, 1999**

Related U.S. Application Data

(60) Provisional application No. 60/073,209, filed on Jan. 30, 1998.

(51) **Int. Cl.**
G06F 17/30 (2006.01)

(52) **U.S. Cl.** **707/100**; 707/203

(58) **Field of Classification Search** 707/6, 707/103, 10

See application file for complete search history.

(56) **References Cited**

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6,173,280 B1 * 1/2001 Ramkumar et al. 707/6
6,198,738 B1 * 3/2001 Chang et al. 370/352
6,351,745 B1 * 2/2002 Itakura et al. 707/10

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WO WO 98 02831 1/1998

* cited by examiner

Primary Examiner—Frantz Coby
Assistant Examiner—CamLinh Nguyen
(74) *Attorney, Agent, or Firm*—Fish & Richardson P.C.

(57) **ABSTRACT**

An apparatus for transmitting, receiving and manipulating information on a computer system, the apparatus including a plurality of containers, each container being a logically defined data enclosure and comprising an information element, a plurality of registers, and a gateway. The plurality of registers, form part of the container, and include a first register for storing a unique container identification value; a second register having a representation designating time and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus event time; an active time register for identifying times at which the container will act upon other containers, processes, systems or gateways; a passive time register for identifying times at which the container can be acted upon by other containers, processes, systems or gateways; and a neutral time register for identifying times at which the container may interact with other containers, processes, systems or gateways. Additional registers designate space for container interactions.

16 Claims, 30 Drawing Sheets

2. An apparatus for transmitting, receiving and
lating information on a computer system, the a
including a plurality of containers, each container
logically defined data enclosure and comprising:
an information element having information;
a plurality of registers, the plurality of registers
part of the container and including
a first register for storing a unique container
cation value,
a second register having a representation des
space and governing interactions of the c
with other containers, systems or processes
ing to utility of information in the informa
ment relative to an external-to-the-apparatu
dimensional space,
an active space register for identifying space
the container will act upon other co
processes, systems or gateways,
a passive resister for identifying space in w
container can be acted upon by other co
processes, systems or gateways,
a neutral space register for identifying space
the container may interact with other co
processes, systems, or gateways; and
a gateway attached to and forming part of the c
the gateway controlling the interaction of the c

The ’536 Patent, Claim 16

US007010536B1

(12) **United States Patent**
De Angelo

(10) **Patent No.: US 7,010,536 B1**
(45) **Date of Patent: Mar. 7, 2006**

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6,173,280	B1 *	1/2001	Ramkumar et al.	707/6
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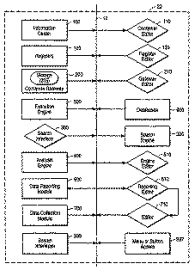
16 Claims, 30 Drawing Sheets



16. An apparatus for transmitting, receiving and m
lating information on a computer system, the ap
including a plurality of containers, each container b
logically defined data enclosure and comprising:

an information element having information;

a plurality of registers, the plurality of registers f
part of the container and including

a first register for storing a unique container i
cation value,

a second register having a representation desig
time and governing interactions of the contain
other containers, systems or processes accor
utility of information in the information e
relative to an external-to-the-apparatus even
and

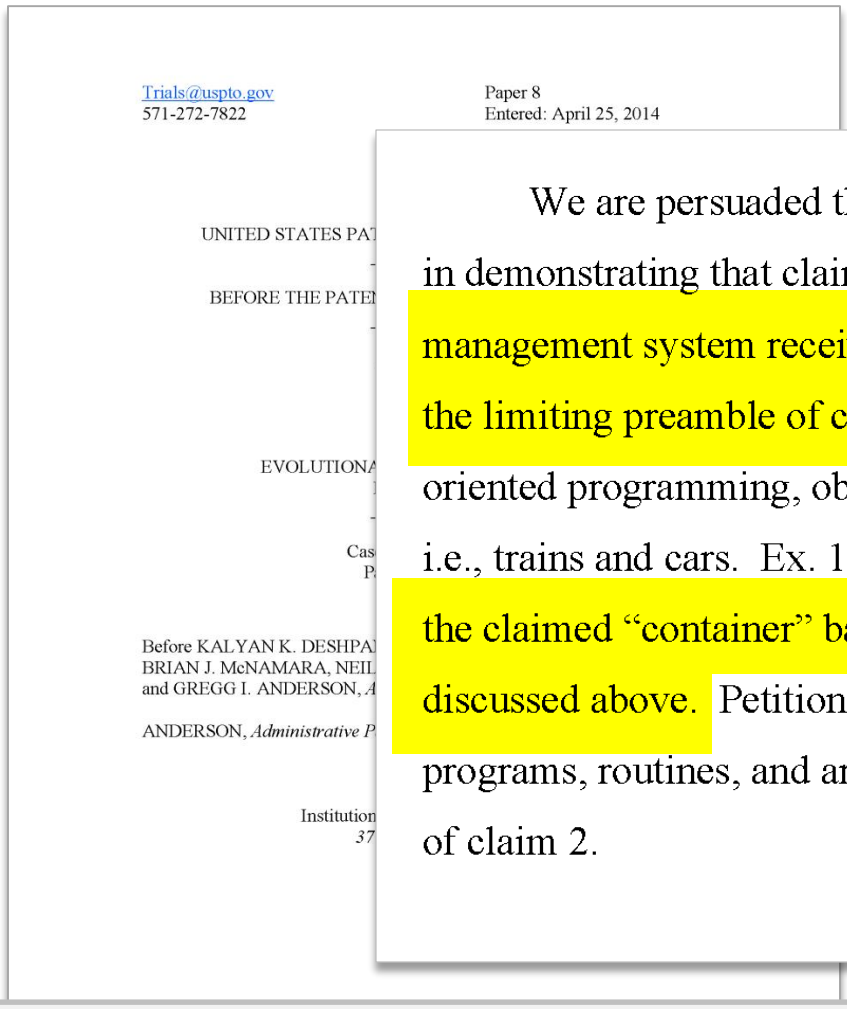
at least one acquire register for controlling whet
container adds a register from other contai
adds a container from other containers whe
acting with them; and

a gateway attached to and forming part of the co
the gateway controlling the interaction of the co
with other containers, systems or processes.

536 Patent (Ex. 100

Institution Decision

Gibbs' Overall Train Management System



Trials@uspto.gov
571-272-7822

Paper 8
Entered: April 25, 2014

UNITED STATES PA

BEFORE THE PATE

EVOLUTIONA

Cas
P

Before KALYAN K. DESHPA
BRIAN J. McNAMARA, NEIL
and GREGG I. ANDERSON, *A*

ANDERSON, *Administrative P*

Institution
37

We are persuaded that Petitioner has shown that it is likely to in demonstrating that claim 2 is anticipated by Gibbs. Gibbs' overa management system receives, transmits, and manipulates informati the limiting preamble of claim 2. Gibbs accomplishes this through oriented programming, objects representing elements of the train sy i.e., trains and cars. Ex. 1006, 7:5-8. Gibbs' disclosure of objects the claimed "container" based on our construction of "container," a discussed above. Petitioner has shown that the specific types of ob programs, routines, and architecture disclosed in Gibbs meet the lim of claim 2.

Institution D

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