

US007302683B2

# (12) United States Patent Ogilvy

# (10) Patent No.: US 7,302,683 B2

# (45) **Date of Patent:** \*Nov. 27, 2007

# (54) METHOD AND APPARATUS FOR CONTROLLING COMMUNICATIONS

### (75) Inventor: Ian Charles Ogilvy, Manly (AU)

(73) Assignee: CardSoft International Pty Limited,

Manly NSW (AU)

(\*) 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.

(21) Appl. No.: 11/207,771

(22) Filed: Aug. 22, 2005

(65) Prior Publication Data

US 2006/0015646 A1 Jan. 19, 2006

### Related U.S. Application Data

(63) Continuation of application No. 09/381,143, filed on Oct. 22, 1999, now Pat. No. 6,934,945.

#### (30) Foreign Application Priority Data

Mar. 14, 1997	(AU)	PO9896
Mar. 16, 1998	(WO)	PCT/AU98/00173

(51) **Int. Cl. G06F** 17/00

(2006.01)

See application file for complete search history.

# (56) References Cited

#### U.S. PATENT DOCUMENTS

5,336,870	Α		8/1994	Hughes et al.	
5,479,643	Α		12/1995	Bhaskar	
5,553,291	$\mathbf{A}$		9/1996	Tanaka et al.	
5,590,281	Α		12/1996	Stevens	
5,708,838	Α		1/1998	Robinson	
5,745,886	Α		4/1998	Rosen	
5,923,884	Α	*	7/1999	Peyret et al	717/167
5,926,631	$\mathbf{A}$		7/1999	McGarvey	

#### (Continued)

#### FOREIGN PATENT DOCUMENTS

AU 2200088 9/1988

(Continued)

### OTHER PUBLICATIONS

"Smarter Smartcards," Hofland & Janowski, Feb. 1998, Byte Magazine 401S, pp. 7-10, whole document.

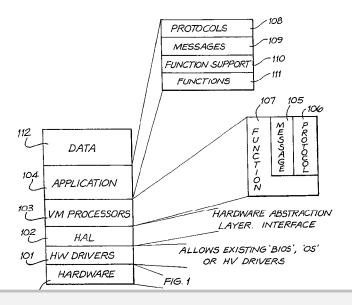
(Continued)

Primary Examiner—Phuoc Nguyen (74) Attorney, Agent, or Firm—Duane Morris LLP

### (57) ABSTRACT

Disclosed is a device arranged to process messages for communications, comprising a virtual machine means including a message processor means which is arranged to process messages communicated to and/or to be communicated from the device, and message processor instruction means, arranged to provide directions for operation of the message processor means. Also disclosed is a method for operating a device arranged to process messages for communications and a method of programming a device arranged to process messages for communications.

## 5 Claims, 12 Drawing Sheets





# US 7,302,683 B2

Page 2

U.S.	PATENT	DOCUMENTS	WO	9212480	7/1992
			WO	9305599	3/1993
5,931,917 A		Nguyen et al.	WO	9410628	5/1994
5,935,249 A	8/1999	Stern et al.	WO	9727537	7/1997
6,021,275 A *	2/2000	Horwat 717/1:	59	J121331	111221
6,199,160 B1	3/2001	Echensperger et al.			
6,308,317 B1	10/2001	Wilkinson et al.		OTHER PU	JBLICATION
6,934,945 B1*	8/2005	Ogilvy 718	/1 "Joya and	the Shift to Net-Cer	ntria Computin

# FOREIGN PATENT DOCUMENTS

EP	0456249	11/1991
EP	0634718	1/1995

# NS

"Java and the Shift to Net-Centric Computing," Hamilton, IEEE Computer, Aug. 1996, pp. 31-39, whole document especially "Java Virtual Machine," sidebar p. 32.

\* cited by examiner



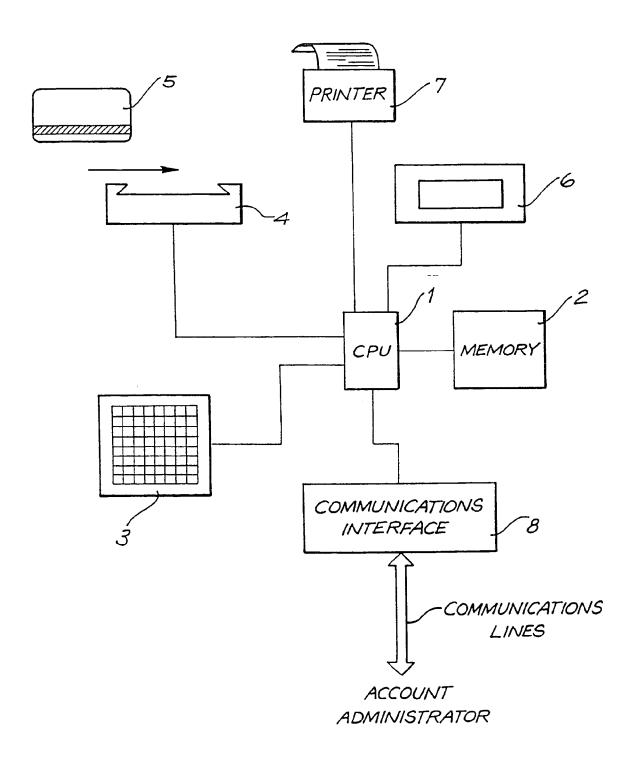


FIG. 1



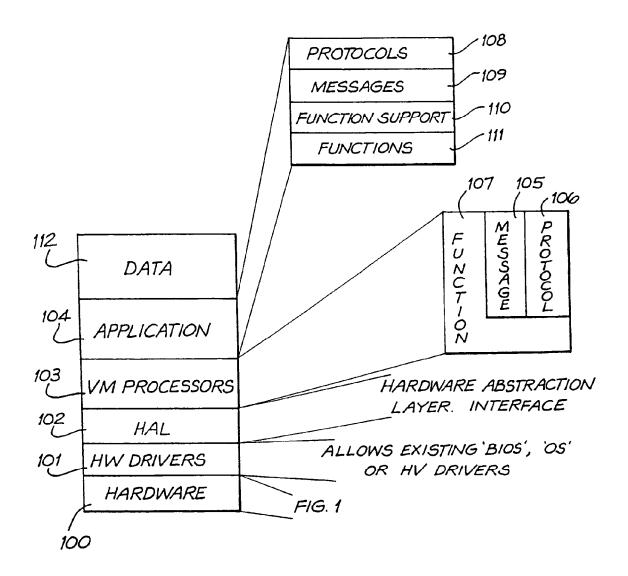


FIG. 2



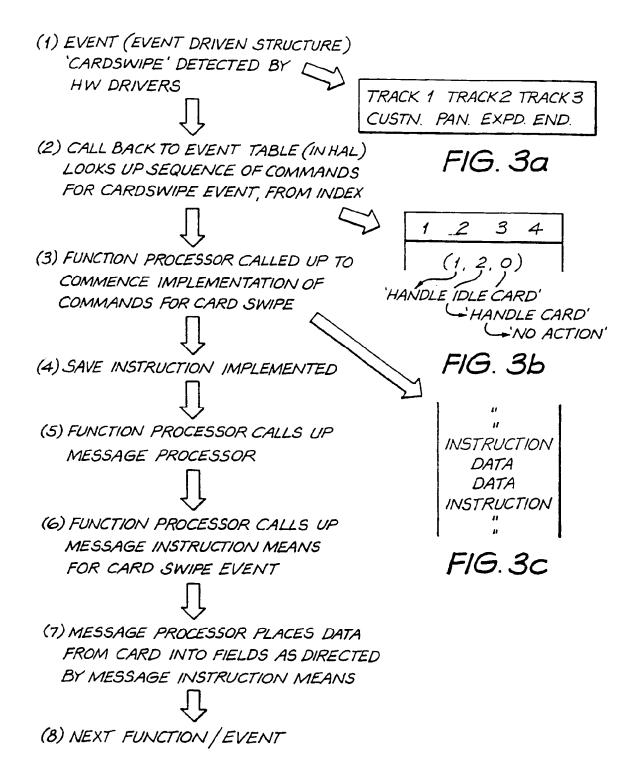


FIG. 3

# DOCKET A L A R M

# Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

# **Real-Time Litigation Alerts**



Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

# **Advanced Docket Research**



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

# **Analytics At Your Fingertips**



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

# API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## **LAW FIRMS**

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

### **FINANCIAL INSTITUTIONS**

Litigation and bankruptcy checks for companies and debtors.

# **E-DISCOVERY AND LEGAL VENDORS**

Sync your system to PACER to automate legal marketing.

