

US008539484B1

(12) United States Patent Offer et al.

US 8,539,484 B1 (10) Patent No.: Sep. 17, 2013 (45) Date of Patent:

MULTI-PLATFORM COMPUTER SYSTEM MANAGEMENT FOR VIRTUALIZED **ENVIRONMENTS**

- Inventors: **Richard Offer**, San Jose, CA (US); Lynn LeBlanc, San Jose, CA (US)
- Assignee: HotLink Corporation, San Jose, CA
- (US)
- Subject to any disclaimer, the term of this Notice: patent is extended or adjusted under 35

U.S.C. 154(b) by 247 days.

- Appl. No.: 13/115,008
- May 24, 2011 Filed: (22)

Related U.S. Application Data

- Provisional application No. 61/348,445, filed on May 26, 2010.
- (51)Int. Cl. G06F 9/455 (2006.01)
- U.S. Cl. (52)
- Field of Classification Search (58)USPC 718/1 See application file for complete search history.

References Cited (56)

U.S. PATENT DOCUMENTS

2002/0016166 A1*	2/2002	Uchida et al 455/419
2005/0188144 A1*	8/2005	Park et al 710/315
2007/0038703 A1*		Tendjoukian et al 709/206
2008/0215793 A1*	9/2008	Hashimoto et al 711/6
2008/0282243 A1*	11/2008	Seguin et al 718/1
2009/0327643 A1*	12/2009	Goodman et al 711/173
2010/0107162 A1*	4/2010	Edwards et al 718/1

^{*} cited by examiner

Primary Examiner — Emerson Puente Assistant Examiner — Steven Do

(74) Attorney, Agent, or Firm — PetersVerny, LLP

(57)**ABSTRACT**

A virtual machine management system is configured to manage a plurality of computing systems each configured to support virtual machines. The virtual management system is configured to transparently manage the computing systems even in cases where the virtual machines are supported by different hypervisors. In some embodiments, this capability simplifies the management of cloud computing systems including software provided by different virtual machine vendors.

27 Claims, 8 Drawing Sheets

