

Title (en)  
SECURE VIRTUAL-MACHINE MONITOR

Title (de)  
SICHERE VIRTUELLMASCHINEN-ÜBERWACHUNGSVORRICHTUNG

Title (fr)  
MONITEUR DE MACHINE VIRTUELLE SECURISE

Publication  
**EP 1955154 A2 20080813 (EN)**

Application  
**EP 06826781 A 20061025**

Priority  
• US 2006041851 W 20061025  
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Abstract (en)  
[origin: WO2007050797A2] Embodiments of the present invention provide secure virtual-machine monitors and secure, base-level operating systems that, in turn, provide secure execution environments for guest operating systems and certain special functions that can interface directly to base-level operating systems. Security is accomplished by employing a small, verifiable component of a secure foundation that executes at highest privilege between the hardware interface and the virtual-machine monitor. The virtual-machine monitor and secure foundation employ virtual-machine-monitor-resident guest-operating-system monitors, memory compartmentalization, and authenticated calls to securely isolate computational entities from one another within the computer system.

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