Title (en)

USE OF DYNAMIC BOUNDED REGIONS TO IMPROVE THE SCALABILITY OF DECENTRALISED ONLINE ENVIRONMENTS

Title (de)

VERWENDUNG VON DYNAMISCHEN BEGRENZTEN REGIONEN ZUR VERBESSERUNG DER SKALIERBARKEIT DEZENTRALISIERTER ONLINE-UMGEBUNGEN

Title (fr)

UTILISATION DE RÉGIONS BORNÉES DYNAMIQUES POUR AMÉLIORER L'EXTENSIBILITÉ D'ENVIRONNEMENTS EN LIGNE DÉCENTRALISÉS

Publication

EP 2350852 A1 20110803 (EN)

Application

EP 09818684 A 20091008

Priority

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- AU 2008905220 A 20081008

Abstract (en)

[origin: WO2010040179A1] In a decentralised multi-user online virtual environment, object responsibility is efficiently allocated to a controlling peer. The virtual environment is divided into a plurality of cells, and control of each cell is allocated to a responsible peer. Each responsible peer participates in a distributed hash table (DHT) to effect integration of the cells to effect the virtual environment. When a communications and processing load on the responsible peer controlling a cell exceeds a threshold, a second peer creates and takes control responsibility for an object comprising a bounded interest management region covering a region of load. Within the bounded interest management region, objects are removed or de-associated from the associated cell and instead associated with the bounded interest management region.

IPC 8 full level

G06F 15/16 (2006.01); **G06F 9/46** (2006.01); **G06F 9/50** (2006.01); **H04L 29/08** (2006.01)

CPC (source: EP KR US)

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