

Title (en)
SCALABLE TECHNIQUES FOR PROVIDING REAL-TIME PER-AVATAR STREAMING DATA IN VIRTUAL REALITY SYSTEMS THAT EMPLOY PER-AVATAR RENDERED ENVIRONMENTS

Title (de)
SKALIERBARE TECHNIKEN ZUR BEREITSTELLUNG VON PER-AVATAR-STREAMING-DATEN IN ECHTZEIT IN VR-SYSTEMEN, BEI DENEN PER-AVATAR-AUSGEFÜHRTE UMGEBUNGEN VERWENDET WERDEN

Title (fr)
TECHNIQUES ADAPTABLES POUR FOURNIR DES DONNÉES DE TRANSMISSION EN CONTINU EN TEMPS RÉEL PAR AVATAR DANS DES SYSTÈMES DE RÉALITÉ VIRTUELLE QUI EMPLOIENT DES ENVIRONNEMENTS RENDUS PAR AVATAR

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EP 2244797 A4 20110615 (EN)

Application
EP 09701763 A 20090117

Priority
• US 2009031361 W 20090117
• US 2172908 P 20080117

Abstract (en)
[origin: WO2009092060A2] Scalable techniques for rendering emissions represented using segments of streaming data, the emissions being potentially perceivable from many points of perception and the emissions and the points of perception having relationships that vary in real time. The techniques filter the segments by determining for a time slice whether a given emission is perceptible to a given point of perception, if it is not, the segments of streaming data representing the emission are not used to render the emissions as perceived from the given point of perception. The techniques are used in networked virtual environments to render audio emissions at clients in a networked virtual reality system. With audio emissions, one determinant of whether a given emission is perceivable at a given point of perception is whether psychoacoustic properties of other emissions mask the given emission. The segments representing the streaming data also contain metadata which is used both in the filtering and in rendering the streaming data for a point of perception at which the emission is perceived.

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Citation (search report)
• [Y] GB 2415392 A 20051228 - SONY COMP ENTERTAINMENT EUROPE [GB]
• [Y] EP 1854516 A1 20071114 - KONAMI DIGITAL ENTERTAINMENT [JP]
• [Y] EP 1364690 A2 20031126 - MICROSOFT CORP [US]
• [A] JP 2005046270 A 20050224 - KONAMI COMP ENTERTAINMENT
• [A] US 2004225716 A1 20041111 - SHAMIR ILAN [US], et al
• See references of WO 2009092060A2

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