

Title (en)

CONDITIONAL ACCESS AND SECURITY FOR VIDEO ON-DEMAND SYSTEMS

Title (de)

BEDINGTER ZUGANG UND SICHERHEIT FÜR VIDEO-AUF-ANFRAGE-SYSTEM

Title (fr)

ACCES CONDITIONNEL A DES SYSTEMES VIDEO SUR DEMANDE ET SECURITE ASSOCIEE

Publication

EP 1247399 A1 20021009 (EN)

Application

EP 01904852 A 20010112

Priority

- US 0101173 W 20010112
- US 48306600 A 20000114

Abstract (en)

[origin: WO0152543A1] A system that provides secure transmission and complete access control for target devices. Such a system includes a distribution center, a video-on-demand system, a transmission network and a plurality of target devices. The video-on-demand system advantageously provides for encryption of the transmission, transmission of access keys, and access control. The target devices also include circuitry for communicating with the video server and decrypting the transmission and controlling access to video services. A method for providing conditional access to video services for a plurality of subscriber stations comprises the steps of: authorizing the plurality of subscriber stations to receive the video services; receiving a first order for a first video service from a first subscriber station; and transmitting tuning data to the first subscriber station so that the first subscriber station is able to receive the first video service. The method may also prevent the theft of the content of transmissions by performing the steps of: scrambling the first video service using a first key to generate a first scrambled video service; scrambling the first key using decryption data to generate a first scrambled key; distributing the decryption data to decrypt the first scrambled key to the plurality of subscriber stations; transmitting the first scrambled video service to the plurality of subscriber stations; and transmitting the first scrambled key to the plurality of subscriber stations.

IPC 1-7

H04N 7/167

IPC 8 full level

H04N 7/167 (2006.01); **H04N 7/173** (2006.01)

CPC (source: EP)

H04N 7/1675 (2013.01); **H04N 7/17336** (2013.01); **H04N 7/17354** (2013.01); **H04N 21/25875** (2013.01); **H04N 21/26613** (2013.01); **H04N 21/4405** (2013.01); **H04N 21/4623** (2013.01); **H04N 21/47202** (2013.01)

Citation (search report)

See references of WO 0152543A1

Citation (examination)

- EP 0739135 A1 19961023 - GEN INSTRUMENT CORP [US]
- WO 9909743 A2 19990225 - SCIENTIFIC ATLANTA [US]
- WO 9907151 A1 19990211 - SCIENTIFIC ATLANTA [US]
- US 5870474 A 19990209 - WASILEWSKI ANTHONY JOHN [US], et al

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0152543 A1 20010719; **WO 0152543 A8 20010816**; AU 3279401 A 20010724; CA 2396821 A1 20010719; EP 1247399 A1 20021009

DOCDB simple family (application)

US 0101173 W 20010112; AU 3279401 A 20010112; CA 2396821 A 20010112; EP 01904852 A 20010112