

Title (en)
KEY MANAGEMENT METHOD USING HIERARCHICAL NODE TOPOLOGY, AND METHOD OF REGISTERING AND DEREGISTERING USER USING THE SAME

Title (de)
SCHLÜSSELVERWALTUNGSVERFAHREN UNTER VERWENDUNG HIERARCHISCHER KNOTENTOPOLOGIE UND DIESES NUTZENDES VERFAHREN ZUR REGISTRIERUNG UND DEREGISTRIERUNG VON BENUTZERN

Title (fr)
PROCEDE DE GESTION DE CLES DANS LEQUEL EST UTILISEE UNE TOPOLOGIE NODALE HIERARCHISEE, ET PROCEDE D'ENREGISTREMENT ET DE RETRAIT D'ENREGISTREMENT D'UN UTILISATEUR DANS LEQUEL EST UTILISE LEDIT PROCEDE DE GESTION DE CLES

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EP 1847066 A4 20130918 (EN)

Application
EP 06715877 A 20060206

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Abstract (en)
[origin: WO2006083141A1] A key management, user registration and deregistration for a digital rights management (DRM) system in a home network, using a hierarchical node topology. In the key management, node information is generated by allocating a pair of keys (a public key and a private key) to each node. A node tree is made by generating link information using the pair of keys and a content key. The link information is delivered from an upper node to a lower node using the node tree. The link information is obtained by encrypting a private key of a 'TO' node using a public key of a 'FROM' node. Accordingly, it is possible to realize a DRM system that protects content and easily accomplishes a binding mechanism and a revocation mechanism.

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H04L 9/08 (2006.01)

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Citation (search report)
• [X1] EP 1083699 A1 20010314 - MITSUBISHI MATERIALS CORP [JP]
• [X1] WO 2004023812 A1 20040318 - MATSUSHITA ELECTRIC IND CO LTD [JP], et al
• [I] EP 1235381 A1 20020828 - SONY CORP [JP] & US 2005228897 A1 20051013 - YAMAMOTO MASAYA [JP], et al
• See references of WO 2006083141A1

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
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