

# EXHIBIT 2



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**Messerges et al.**

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(54) **DOMAIN-BASED DIGITAL-RIGHTS MANAGEMENT SYSTEM WITH EASY AND SECURE DEVICE ENROLLMENT**

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(51) **Int. Cl.**  
**H04L 9/00** (2006.01)

(52) **U.S. Cl.** ..... **380/279**

(58) **Field of Classification Search** ..... 380/277-279, 380/270, 281, 282, 283; 713/156, 155, 164, 713/167, 171, 172

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,452,925	B1	9/2002	Sistanizadeh et al.	
6,463,534	B1 *	10/2002	Geiger et al.	713/168
6,694,025	B1 *	2/2004	Epstein et al.	380/279
6,912,657	B2 *	6/2005	Gehrmann	713/171
6,980,660	B1 *	12/2005	Hind et al.	380/282
7,068,789	B2 *	6/2006	Huitema et al.	380/277
2002/0065778	A1 *	5/2002	Bouet et al.	705/57
2002/0144116	A1 *	10/2002	Giobbi	713/168
2002/0157002	A1 *	10/2002	Messerges et al.	713/155
2003/0076955	A1 *	4/2003	Alve et al.	380/201
2003/0120920	A1 *	6/2003	Svensson	713/168

2003/0174838	A1 *	9/2003	Bremer	380/270
2003/0196089	A1 *	10/2003	Alve et al.	713/172
2004/0003251	A1 *	1/2004	Narin et al.	713/172
2004/0006708	A1 *	1/2004	Mukherjee et al.	713/201
2004/0054923	A1 *	3/2004	Seago et al.	713/201
2004/0062400	A1 *	4/2004	Sovio et al.	380/286
2004/0096063	A1 *	5/2004	Carroni et al.	380/279
2004/0103312	A1 *	5/2004	Messerges et al.	713/201

FOREIGN PATENT DOCUMENTS

RU	2183561	C2	1/1998
WO	9833656	A1	1/1998
WO	0115397	A1	3/2001

OTHER PUBLICATIONS

Rene Struik, IEEE P802.15 Wireless Personal Area Networks, Security for the 802.15.3 Wireless Personal Area Network (Draft!), Dec. 3, 2001.\*

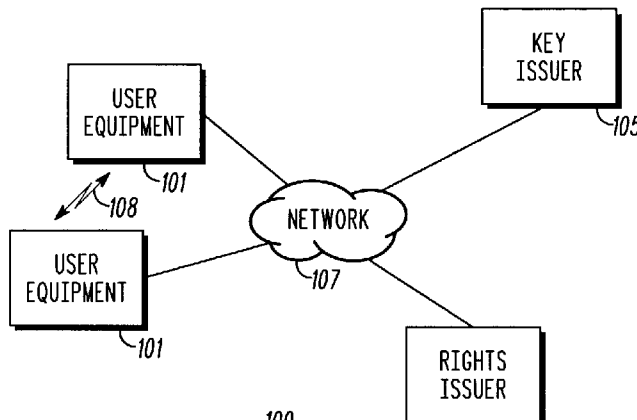
(Continued)

Primary Examiner—Beemnet W Dada

(57) **ABSTRACT**

New devices (**101**) are added to an existing domain by obtaining domain information (e.g., domain name and private domain password) from devices (**101**) already in the domain that preferably are in close proximity. Once the domain information has been transferred from the device already in the domain to the device being added to the domain, the device being added to the domain contacts a key issuer (**105**) to complete its registration into the domain. The key issuer returns a DRM domain private key (**206**) as well as a DRM certificate (**202**). Both are utilized by the device to obtain and render digital content (**204**).

**17 Claims, 2 Drawing Sheets**



**US 7,899,187 B2**

Page 2

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OTHER PUBLICATIONS

Venkatraman et al., A Novel Authentication Scheme for Ad hoc Networks, Wireless Communication and Networking Conference, 2000. WCNC. 2000 IE, vol. 3, Sep. 23-28, 2000, pp. 1268-1273.\*  
Gehrmann et al., Enhancements to Bluetooth Baseband Security.\*  
Gehrmann et al., The Personal CA—PKI for a Personal Area Network.\*  
Rene Struik, IEEE P802.15 Wireless Personal Area Networks, Dec. 2001.\*  
“Secure Digital Music Initiative” SDMI Portable Device Specification, Part 1, version 1.0; PDWG Los Angeles, Jul. 8, 1999.

“IBM Response to DVB-CPT Call for Proposals for Content Protections & Copy Management : XCP Cluster Protocol”, [Online] Oct. 19, 2001: Retrieved from the Internet: Url:[http://www.almaden.ibm.com/Software/DS/contentassurance/Papers/XCP\\_DVB.P](http://www.almaden.ibm.com/Software/DS/contentassurance/Papers/XCP_DVB.P)> [retrieved on Oct. 19, 2001].

Heuvel Van Den S A F A et al.: “Secure Content Management in Authorised Domains”, International Broadcasting Convention, XX, Sep. 15, 2002, pp. 467-474.

European Patent Office, “Supplementary European Search Report”, Application No. EP03786705, Oct. 28, 2010, 4 pages.

\* cited by examiner

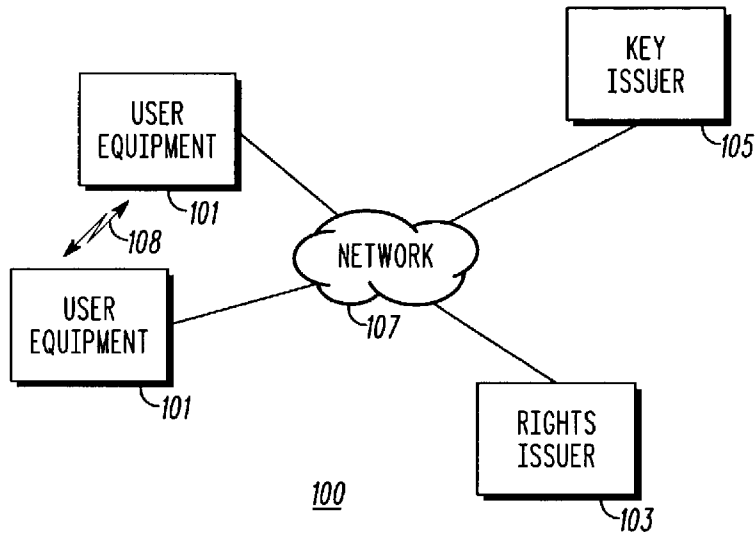


FIG. 1

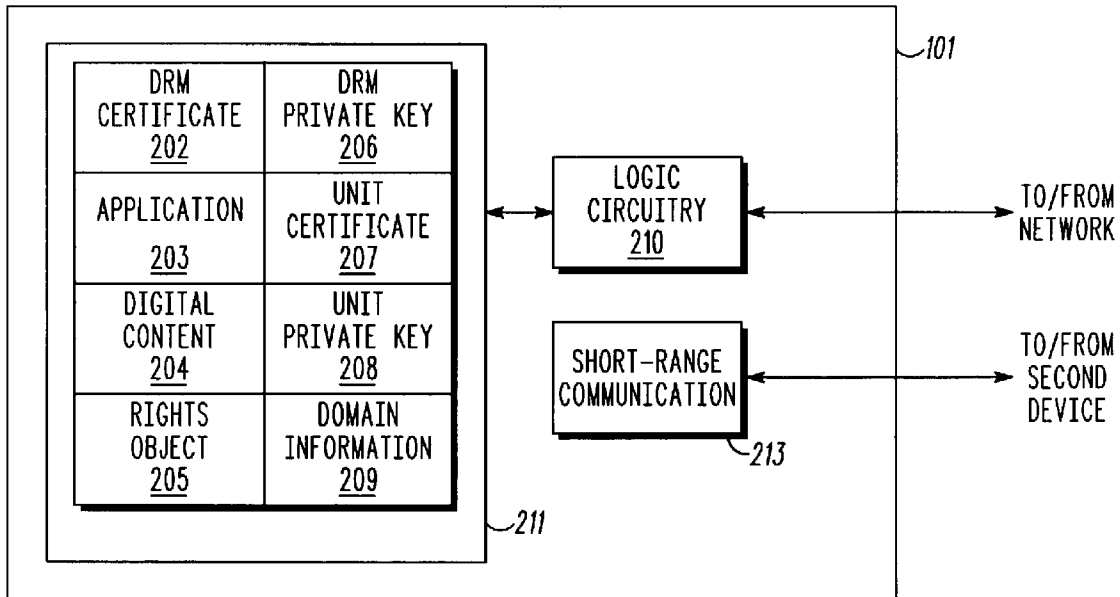


FIG. 2

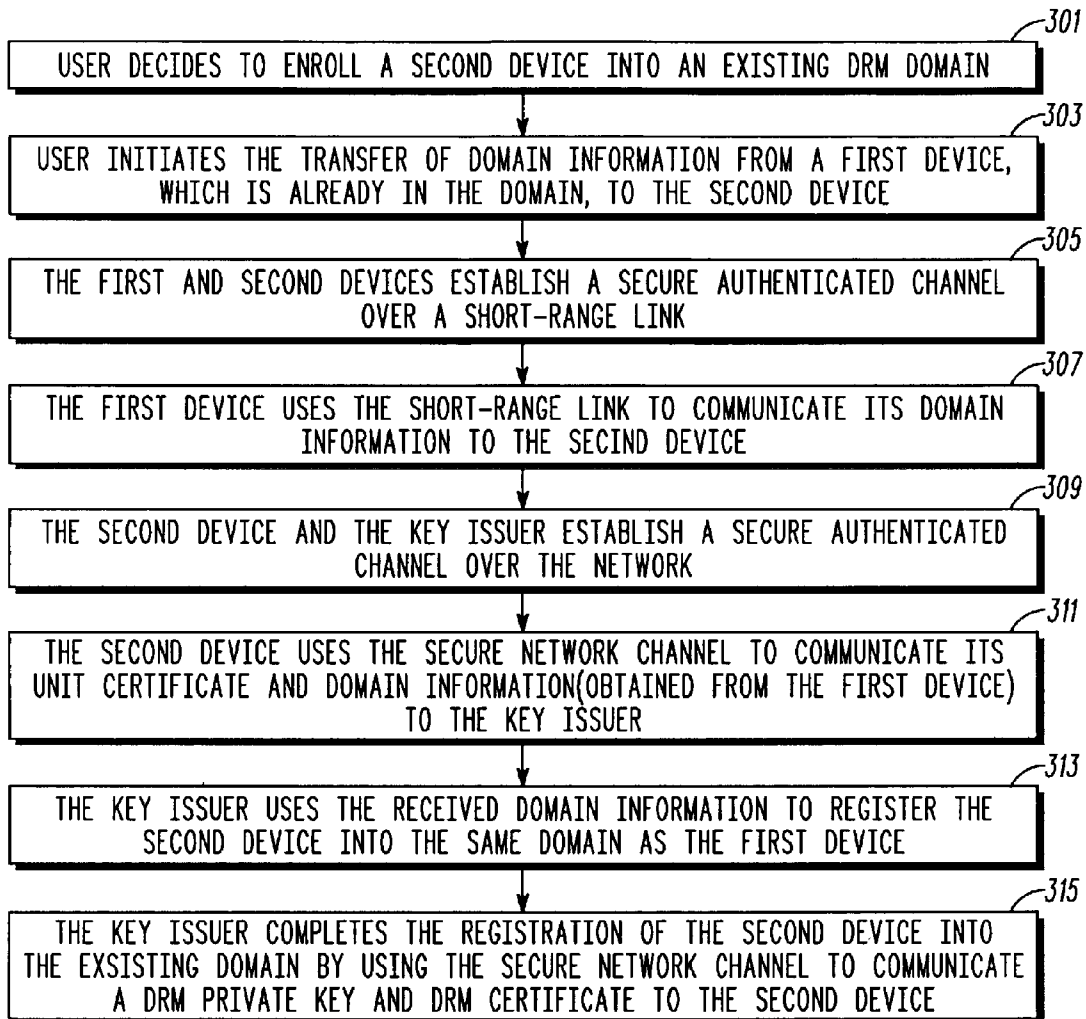


FIG. 3

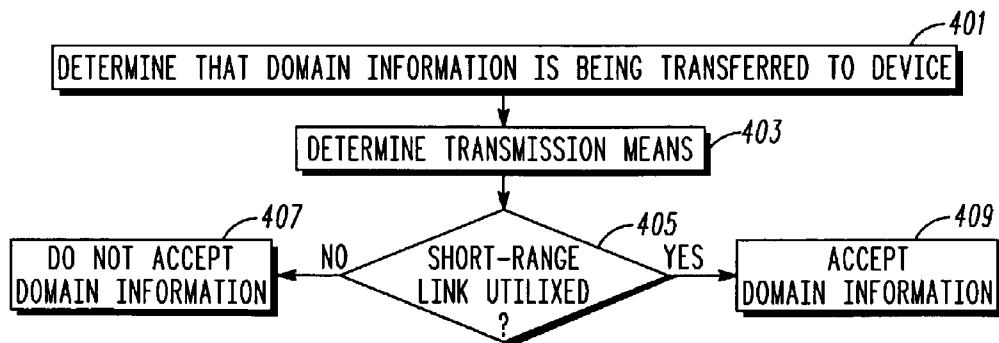


FIG. 4

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