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(54) **SYSTEM, METHOD AND APPARATUS FOR SECURELY DISTRIBUTING CONTENT**

(56) **References Cited**

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U.S. PATENT DOCUMENTS

6,185,684 B1	2/2001	Pravetz et al.	
6,389,538 B1 *	5/2002	Gruse	G06F 21/10 705/51
7,016,498 B2 *	3/2006	Peinado	G06F 21/10 380/277
7,174,373 B1 *	2/2007	Lausier	709/223
7,203,966 B2 *	4/2007	Abhuri	G06F 21/10 380/201
7,272,723 B1 *	9/2007	Abbott et al.	713/185
7,296,296 B2 *	11/2007	Dunbar	G06F 21/10 380/201
7,383,205 B1 *	6/2008	Peinado	G06F 21/10 705/37
7,571,467 B1 *	8/2009	Priestley	G06Q 20/206 380/277
7,660,902 B2 *	2/2010	Graham et al.	709/229

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(Continued)

OTHER PUBLICATIONS

Merriam-Webster, "processor", 2014.*
(Continued)

Related U.S. Application Data

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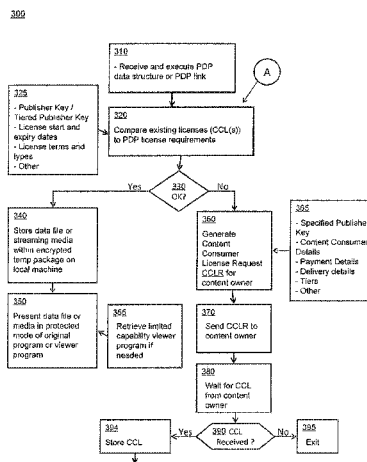
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(57) **ABSTRACT**

System, method and apparatus for securely distributing content via an encrypted file wherein a Publisher Key (PK) associated with an authorized publisher enables presentation of the content by the authorized user via a Limited Capability Viewer (LCV), the LCV lacking the capability to forward, print, copy or otherwise disseminate the content to be presented. Various embodiments provided enhanced user authentication or authorization, VPN functions, collaboration techniques, automatic distribution of licenses, watermarking of documents, rules pertaining to content transfer between secure and insecure domains and combinations thereof.

(58) **Field of Classification Search**
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See application file for complete search history.

20 Claims, 11 Drawing Sheets



US 9,455,961 B2

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(56)

References Cited

U.S. PATENT DOCUMENTS

8,495,751	B2 *	7/2013	Joyce et al.	726/29
8,627,485	B1 *	1/2014	Phelan	H04N 21/26225 380/201
2001/0051996	A1 *	12/2001	Cooper et al.	709/217
2002/0048369	A1	4/2002	Ginter et al.	
2002/0059144	A1 *	5/2002	Meffert	G06F 21/10 705/51
2002/0101998	A1 *	8/2002	Wong	H04L 9/0894 380/286
2002/0184517	A1	12/2002	Tadayon et al.	
2002/0198846	A1 *	12/2002	Lao	705/54
2003/0009423	A1	1/2003	Wang et al.	
2003/0023564	A1	1/2003	Padhye et al.	
2003/0079030	A1 *	4/2003	Cocotis et al.	709/229
2003/0135466	A1	7/2003	Wang et al.	
2003/0200177	A1 *	10/2003	Kugai	G06Q 20/3674 705/51
2003/0202679	A1 *	10/2003	Rodriguez	H04N 1/32144 382/100
2004/0193546	A1 *	9/2004	Tokutani	G06F 21/10 705/59
2005/0086501	A1 *	4/2005	Woo	G06F 21/10 713/189
2005/0097359	A1 *	5/2005	Speare	G06F 21/10 726/4
2005/0177742	A1 *	8/2005	Benson	G06F 21/10 713/189
2005/0198165	A1 *	9/2005	Reddel	H04L 67/06 709/206
2005/0204405	A1 *	9/2005	Wormington	G06Q 30/02 726/27
2006/0080259	A1 *	4/2006	Wajs	G06F 21/10 705/51

2006/0259949	A1 *	11/2006	Schaefer et al.	726/1
2007/0240203	A1 *	10/2007	Beck	G06F 19/322 726/4
2008/0092181	A1 *	4/2008	Britt	725/87
2008/0240447	A1 *	10/2008	Zhu	H04L 63/0853 380/279
2008/0256368	A1 *	10/2008	Ross	G06F 21/10 713/193
2009/0124375	A1	5/2009	Patel	
2009/0196426	A1 *	8/2009	Walker	H04N 7/1675 380/278
2010/0008500	A1 *	1/2010	Lisanke	G06F 21/10 380/201
2010/0017599	A1 *	1/2010	Sellars	G06Q 20/02 713/156
2010/0161997	A1 *	6/2010	Lee	H04L 9/32 713/189
2012/0102317	A1	4/2012	Mathur et al.	
2012/0102329	A1	4/2012	Mittal et al.	
2012/0121236	A1 *	5/2012	Jeong	H04N 9/87 386/259
2012/0317239	A1 *	12/2012	Mulder et al.	709/219
2012/0321083	A1 *	12/2012	Phadke	H04L 63/0428 380/255

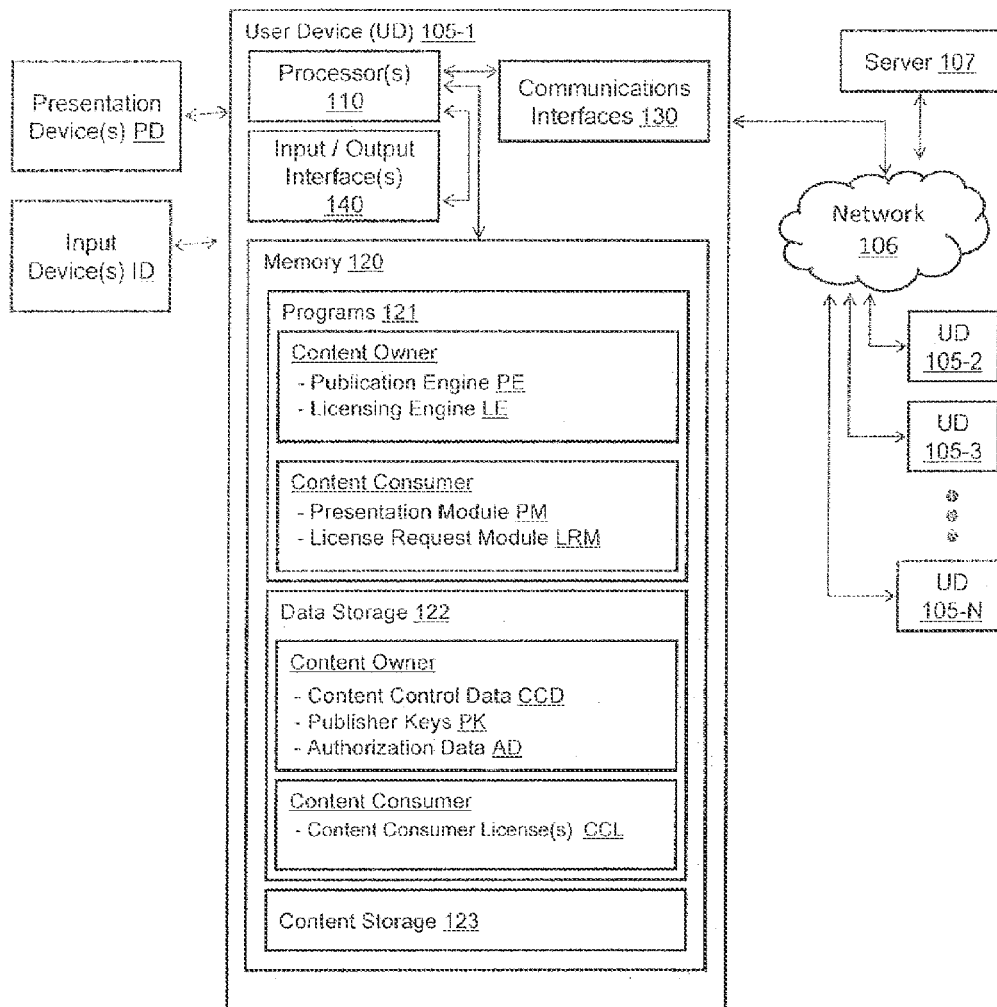
OTHER PUBLICATIONS

DCI, "DCI Specification Errata Listing", 2006.*
DCI, "Digital Cinema System Specification", "Version 1.2", 2012.*
Wang et al., "A Digital Cinema Playback System Compliant with the DCI Specification", 2009.*
Simeonidou et al., "Optical Network Services for Ultra High Definition Digital Media Distribution", 2008.*
Bloom, "Digital Cinema Content Security and the DCI", 2006.*

* cited by examiner

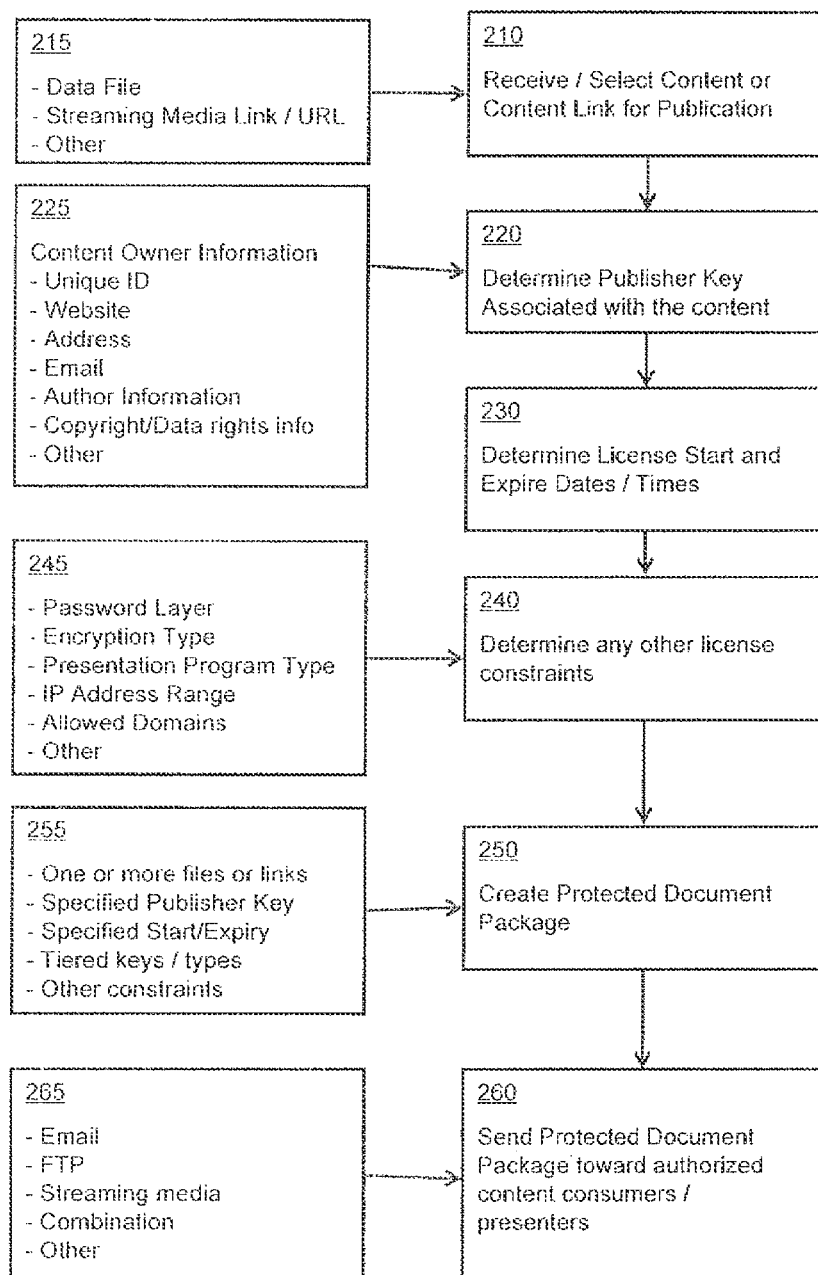
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Fig. 1



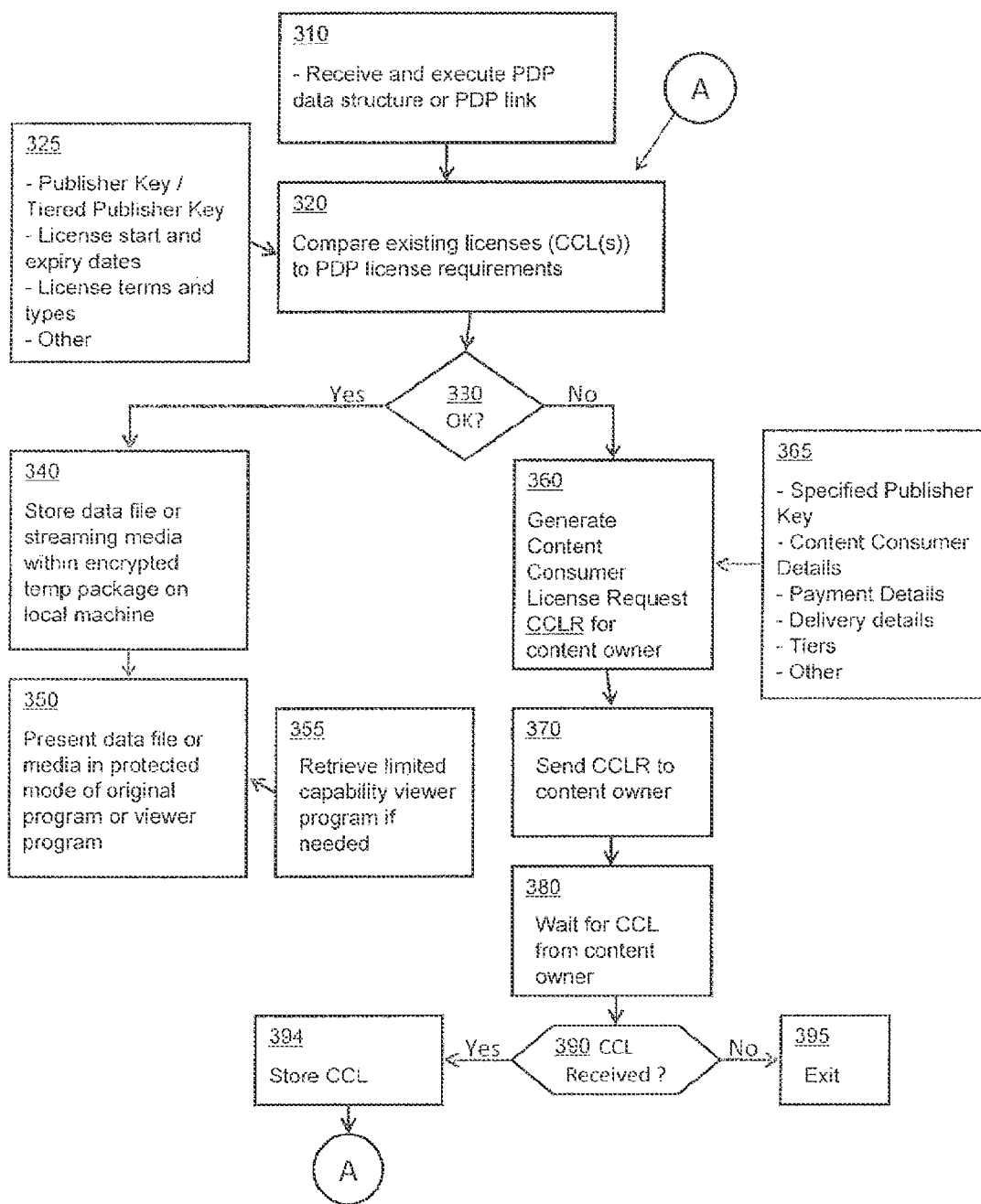
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FIG. 2



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FIG 3



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