

## (12) United States Patent

Luzzatto

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#### (54) ELECTRONIC CURRENCY, ELECTRONIC WALLET THEREFOR AND ELECTRONIC PAYMENT SYSTEMS EMPLOYING THEM

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(51) Int. Cl. G06Q 20/00 (2012.01)G06Q 30/00 (2012.01) $G\theta 6 \bar{Q} \ 4\theta/\theta \theta$ (2012.01)

(52) U.S. Cl. ....... 705/69; 902/1; 902/2; 902/7; 902/24; 902/41 705/69;

(58) Field of Classification Search ... 902/1, 2, 7, 24, 41 See application file for complete search history.

#### (56)**References Cited**

#### U.S. PATENT DOCUMENTS

5,461,217 5,748,737 5,870,473 H1794 5,983,207 6,003,764 6,039,250 6,188,993 6,289,462 6,728,880	A * A * A * A * A * A * B1 B1	5/1998 2/1999 4/1999 11/1999 12/1999 3/2000 2/2001	Claus     235/380       Daggar     705/41       Boesch et al.     705/78       Claus     235/380       Turk et al.     705/39       De Rooij et al.     235/379       Ito et al.     Eng       McNabb et al.     Sites				
(Continued)							

#### FOREIGN PATENT DOCUMENTS

WO 99/24921 5/1999

#### OTHER PUBLICATIONS

Electronic Payment Systems. O'Mahony, Donal et al. Artech House, Boston, MA, 1997. ISBN 0-89006-925-5. Front matter, back matter, contents, chapters 1 and 5, and index included.\*

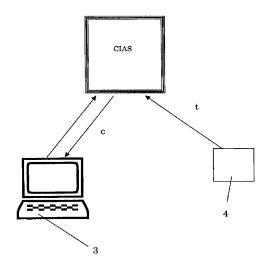
#### (Continued)

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#### ABSTRACT

Electronic currency consists of data in a form suitable to be stored in a user's data storage medium, comprising information on the data value, identification of each specific set of data or data point, and authentication information suitable to verify that said data has been generated by a specific Currency Issuing Authority (CIA). A method and a system for effecting currency transactions between two users over the Internet or other communication network are also described.

#### 23 Claims, 10 Drawing Sheets





#### U.S. PATENT DOCUMENTS

7,010,512	B1*	3/2006	Gillin et al	705/39
7,089,208	B1	8/2006	Levchin	
7,181,429	B1 *	2/2007	Lee	705/41
7,366,699	B1 *	4/2008	Kusakabe et al	705/43
2002/0004779	A1*	1/2002	Turk et al	705/39
2002/0151356	A1*	10/2002	Burns et al	463/25
2004/0083182	A1*	4/2004	Moribatake et al	705/64
2007/0244812	A1*	10/2007	Turk et al	705/39

#### OTHER PUBLICATIONS

Digital Cash: Commerce on the Net. Wayner, Peter. 2<sup>nd</sup> Edition. AP Professional, Boston, MA, 1997. ISBN 0-12-788772-5. Front matter, Contents, Chapters 9 (pp. 131-139) and 16 (pp. 189-197), Index, and back matter included.\*

U.S. Appl. No. 60/172,311, filed Dec. 17, 1999; publicly available on Feb. 13, 2001 when U.S. patent No. 6188993 issued; 188 pages. A Certified copy of U.S. Appl. No. 60/144,633, filed Jul. 19, 1999; publicly available on Feb. 13, 2001 when U.S. patent No. 6188993 issued; 15 pages.

U.S. Appl. No. 60/131,785, filed Apr. 30, 1999; publicly available on Feb. 13, 2001 when U.S. patent No. 6188993 issued; 13 pages. A withdrawn complaint regarding U.S. patent No. 7,590,602; filed on Aug. 30, 2010 at United Stated District Court for the District of Delaware, 4 pages.

M. Bellare et al., "VarietyCash: a Multi-purpose Electronic Payment System", Proceedings of the 3rd Usenix Workshop on Electronic Commerce, 17 pages; Aug. 31-Sep. 3, 1998.

Gennady Medvinsky et al., "NetCash: A design for practical elec-

Gennady Medvinsky et al., "NetCash: A design for practical electronic currency on the Internet", Association for Computing Machinery, 5 pages, Nov. 1993.

Ex Parte Reexamination Request of U.S. patent No. 7,590,602, mailed to the USPTO on Oct. 31, 2011, 45 pages.

Claim chart of Ex Parte Reexamination Request of U.S. patent No. 7,590,602 in view of Bellare reference—identified as CC-A, mailed to the USPTO on Oct. 31, 2011, 11 pages.

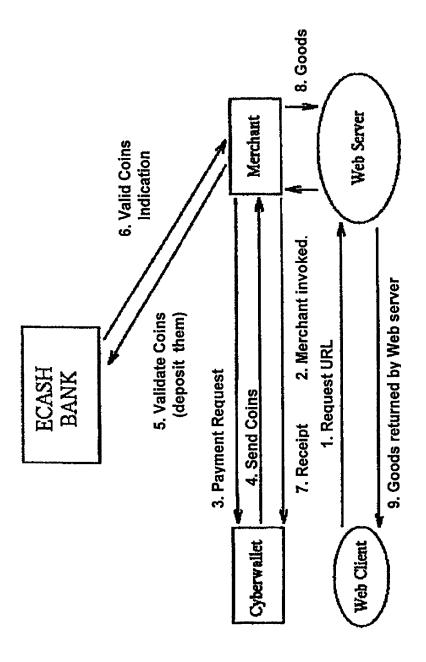
Claim chart of Ex Parte Reexamination Request of U.S. patent No. 7,590,602 in view of Bellare and Ito references—identified as CC-B, mailed to the USPTO on Oct. 31, 2011, 3 pages.

Claim chart of Ex Parte Reexamination Request of U.S. patent No. 7,590,602 in view of Medninsky and Bellare references—identified as CC-C, mailed to the USPTO on Oct. 31, 2011, 7 pages.

Claim chart of Ex Parte Reexamination Request of U.S. patent No. 7,590,602 in view of Bellare, Medninsky and Ito references—identified as CC-D, mailed to the USPTO on Oct. 31, 2011, 3 pages. Claim chart of Ex Parte Reexamination Request of U.S. patent No. 7,590,602 in view of Bellare and Ito references—identified as CC-E, mailed to the USPTO on Oct. 31, 2011, 26 pages.

\* cited by examiner





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Fig. 1 (Prior Art)

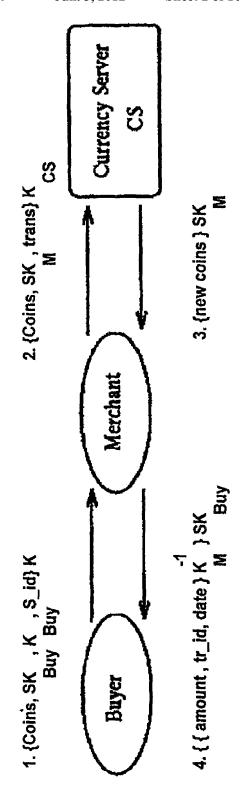
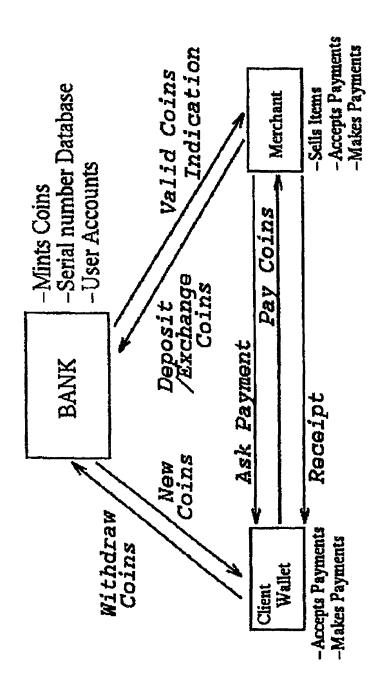


Fig. 2 (Prior Art)



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Fig. 3 (Prior Art)

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