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(54) EFFICIENT BROWSER-BASED IDENTITY MANAGEMENT PROVIDING PERSONAL CONTROL AND ANONYMITY

EFFIZIENTE BROWSER-GESTÜTZTE IDENTITÄTSVERWALTUNG FR PERSÖNLICHE KONTOLLE UND ANONYMITÄT

SYSTEME DE GESTION EFFICACE DE L'IDENTITE AU MOYEN D'UN NAVIGATEUR, FOURNISSANT UN CONTROLE PERSONNEL ET L'ANONYMAT

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(56) References cited:

WO-A-01/18684 WO-A-99/56194

- "Binding and Profiles for the OASIS Security Assertion Markup Language (SAML)"
 WWW.OASIS-OPEN.ORG, [Online] 15 February 2002 (2002-02-15), XP002271983 Retrieved from the Internet: <URL:http://www.oasis-open.org/ committees/ security/docs/draft-sstc-bindingsmodel-11 .pdf> [retrieved on 2004-03-01]
- MARLENA ERDOS AND SCOTT CANTOR:
 "Shiboleth-Architecture DRAFT v04" HTTP://
 SHIBBOLETH.INTERNET2.EDU, [Online] 21
 November 2001 (2001-11-21), XP002271984
 Retrieved from the Internet: <URL:http://
 shibboleth.internet2.edu/docs/ draft-internet2-shibboleth-arch-v04.pdf> [retrieved on 2004-03-01]
- KORMANN D P ET AL: "Risks of the Passport single signon protocol" COMPUTER NETWORKS, ELSEVIER SCIENCE PUBLISHERS B.V., AMSTERDAM, NL, vol. 33, no. 1-6, June 2000 (2000-06), pages 51-58, XP004304758 ISSN: 1389-1286
- NEUMAN B C ET AL: "KERBEROS: AN AUTHENTICATION SERVICE FOR COMPUTER NETWORKS" IEEE COMMUNICATIONS MAGAZINE, IEEE SERVICE CENTER. PISCATAWAY, N.J, US, vol. 32, no. 9, 1 September 1994 (1994-09-01), pages 33-38, XP000476553 ISSN: 0163-6804

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