

December 16, 2002

Sponsors and Management Board
Liberty Alliance

**NECESSARY CLAIMS DISCLOSURE NOTICE UNDER SECTION 8.2(a)(i)
TO DRAFT SPECIFICATION VERSION 1.1**

Pursuant to Section 4.1 of the Liberty Alliance Specification Associate Agreement (“Agreement”) signed on November 1, 2002, Citigroup, Inc. (“Citigroup”) is disclosing the existence of Necessary Claims covering the draft specifications listed in the attached Table A.

The disclosure is based upon the personal working knowledge of those individuals involved and may not represent all potentially pertinent claims of patents and patent applications owned by Citigroup. See Section 4.1, Agreement.

Pursuant to Section 8.2(a)(i) of the Agreement, Citigroup claims that it is the sole owner of the pending patents listed in Table B. Citigroup hereby identifies the pending patent applications listed in Table B as including Necessary Claims. The identified patent applications are entitled “Method and System for Single Sign-On User Access to Multiple Web Servers” and the disclosure and patent claims are intended to cover systems and methods such as those disclosed in the specifications listed in Table A. For a more detailed explanation of the infringement arising from Draft Specification Version 1.1 see Table C. All of the patent claims, *i.e.*, Nos. 1-48, in the identified patent applications listed in Table B are Necessary Claims. Citigroup notes that it has the right to add and amend claims during the examination of these patent applications. Citigroup hereby gives notice that such additional or amended claims are likely to be Necessary Claims.

Pursuant to Section 8.2(a)(i) of this Agreement, Citigroup hereby elects to withdraw such Necessary Claims from the license grant set forth in Section 3.5 of the Agreement. Pursuant to Section 8.2(a)(i) of the Agreement, Citigroup will, for patents issued to Citigroup which contain Necessary Claims and for which Citigroup is able to provide patent licenses, license such Necessary Claims on terms that are fair, reasonable, and non-discriminatory; which license may be made subject to the requirement of a reciprocal fair, reasonable and non-discriminatory grant.

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This letter and the attached Tables contain Necessary Claims Confidential Information of Citigroup disclosed pursuant to Section 8.2(a)(iii).

Sincerely,

David Schreiber
Chief Patent Counsel
Citigroup, Inc.

Attachments: Tables A, B, and C.

TABLE A

Documents	Ver.	Distributed
Liberty Authentication Context Specification	1.1	5 Nov. 2002
Liberty Bindings and Profiles Specification		
Liberty Architecture Implementation Guidelines		
Liberty Architecture Overview		
Liberty Protocols and Schemas Specification		
Liberty Architecture Glossary		

TABLE B

Title	Countries / Regions	Pat. / Ser. #	Priority Date	Published	Pending / Issued
Redacted	U.S.	Redacted	Redacted	No	Pending
Method and System for Single Sign-On User Access to Multiple Web Servers	Europe	EP1089516A2	9/24/99	Yes	Pending
Method and System for Single Sign-On User Access to Multiple Web Servers	China	00130577.8	9/24/99	Yes	Pending

TABLE C

We believe that the LAP specification as a whole is designed to implement activities covered by the disclosure and claims in the U.S. and foreign patent applications that have been filed. We believe infringement is inextricably woven into use of the LAP specification. To illustrate the nature of the infringement, reference is made below to the user experience examples provided in the Liberty Architecture Overview (Version 1.1). These are examples and are not intended to interpret or limit the patent claims, nor limit the scope of the disclosure. The specification contains numerous examples and, thus, Citigroup hereby designates the entire specification as “the portion of the SPECIFICATION where the withdrawing ASSOCIATE thinks the infringement would arise ...” pursuant to Article 8.2(a)(iii).

<p>Examples of LAP User Experience (Liberty Alliance Overview, pp. 9-16)</p>	<p>Examples from “Method and System for Single Sign-On User Access to Multiple Web Servers”</p>
<p>Involves single sign-on to enable users to sign on once with a member of a federated group of identity and service providers and subsequently use various Websites among the group without signing on again.</p>	<p>Discloses an embodiment for single sign-on user access to multiple web servers, such as a federation of web servers, allowing the user to sign on once and then be redirected to different servers without the user having to sign on each and every time he or she accesses a different server.</p>
<p>Involves a user logging into, for example, Airline.inc’s Website, a Liberty-enabled identity provider, wherein the identity provider uses the user’s credentials, such as, username and password, to authenticate identity.</p>	<p>Discloses an embodiment whereby a user is authenticated at a first web server by user name and password, and the first web server is a part of a federation of web servers.</p>
<p>Involves a single sign-on process that builds upon identity federation and results in a simple user experience.</p>	<p>Discloses an embodiment involving a federation of web servers that allows a user to simply sign on once and get access to other web servers.</p>
<p>Involves the user logging into the Airline.inc Website and later visiting the CarRental.inc Website, for example, through an explicit link, the CarRental.inc Website being a part of the federation.</p>	<p>Discloses an embodiment whereby a user is at a first website, with the first website having a hyperlink to another service provider’s website within the federation.</p>
<p>Involves the user’s authentication state with the Airline.inc Website being reciprocally honored by the CarRental.inc Website, and the user being transparently logged into the latter site.</p>	<p>Discloses an embodiment whereby a user’s authentication at a first website enables the user to access a second website without having to re-authenticate himself at the second website.</p>