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(54) Title: TRANSFORMING A SOURCE DOCUMENT TO A DESIRED TARGET DOCUMENT

(57) Abstract: An apparatus, method and system to automatically associate page elements, and convert (221) and transform (222) between disparate data (201) and device format types. This allows for the ability to transform (222) a single data source (201) into multiple output composites (230) suitable for deployment in disparate media outlets and on disparate output devices. Such automatic generation of disparate composites (230) allows for the ability to take content written once in any given format and have said content automatically regenerated for any desired output outlet. The present disclosure further provides the ability to create and edit templates and data, and saved edited changes affecting a single or a collection of templates. The invention teaches how to create associations from a piece of data and any of its page elements. Such associations facilitate the automatic transformation (222) of the data (201) into various output formats.
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
INTERNATIONAL SEARCH REPORT

International application No.
PCT/US01/50971

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : GO6F 5/00
US CL : 707/522, 523
According to International Patent Classification (IPC) or to both national classification and IPC.

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
U.S. : 707/522, 523

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
USPAT, USPGPUB, EPO, JPO, DERWENT, IBM TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>US 5,655,130 A (DODGE et al) 05 August 1997, column 6, lines 1-67, column 7, lines 1-67.</td>
<td>1-104</td>
</tr>
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<td>Methodology for Specifying a Document Transformation Override in a Sender Transform Implementation, IBM TDB, Vol. 34, No. 9, pp. 196-197.</td>
<td>1-104</td>
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