

(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2003/0084405 A1****Ito et al.**(43) **Pub. Date:****May 1, 2003**(54) **CONTENTS CONVERSION SYSTEM,  
AUTOMATIC STYLE SHEET SELECTION  
METHOD AND PROGRAM THEREOF****Publication Classification**(75) Inventors: **Naoko Ito**, Tokyo (JP); **Kazuhisa  
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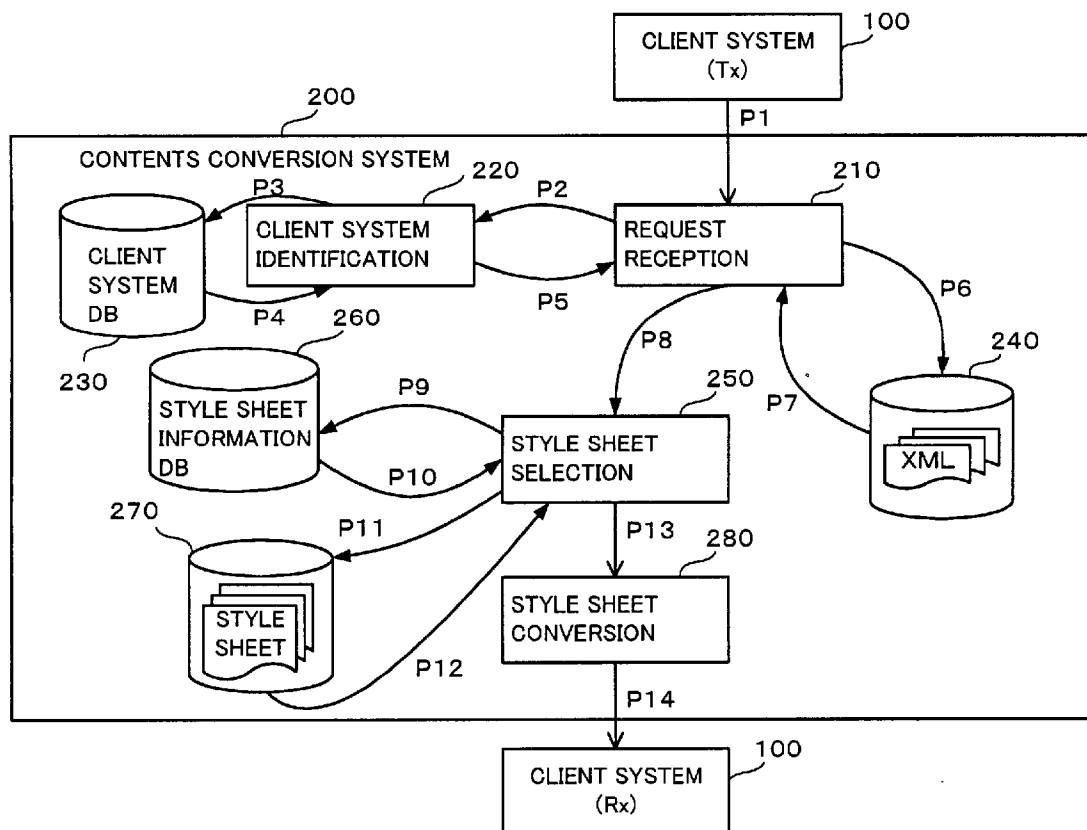
(57)

**ABSTRACT**

The contents conversion system of this invention comprises a style sheet storage means for storing a plurality of style sheets and an XML document storage means for storing XML documents for which the style sheet specifications are undefined, that selects a style sheet from the style sheet storage means, based on an XML document identified from the XML document storage means as the XML document required in relation to a contents request from client system and based on circumstance information of the client system from which the contents request is received and on the identified XML document.

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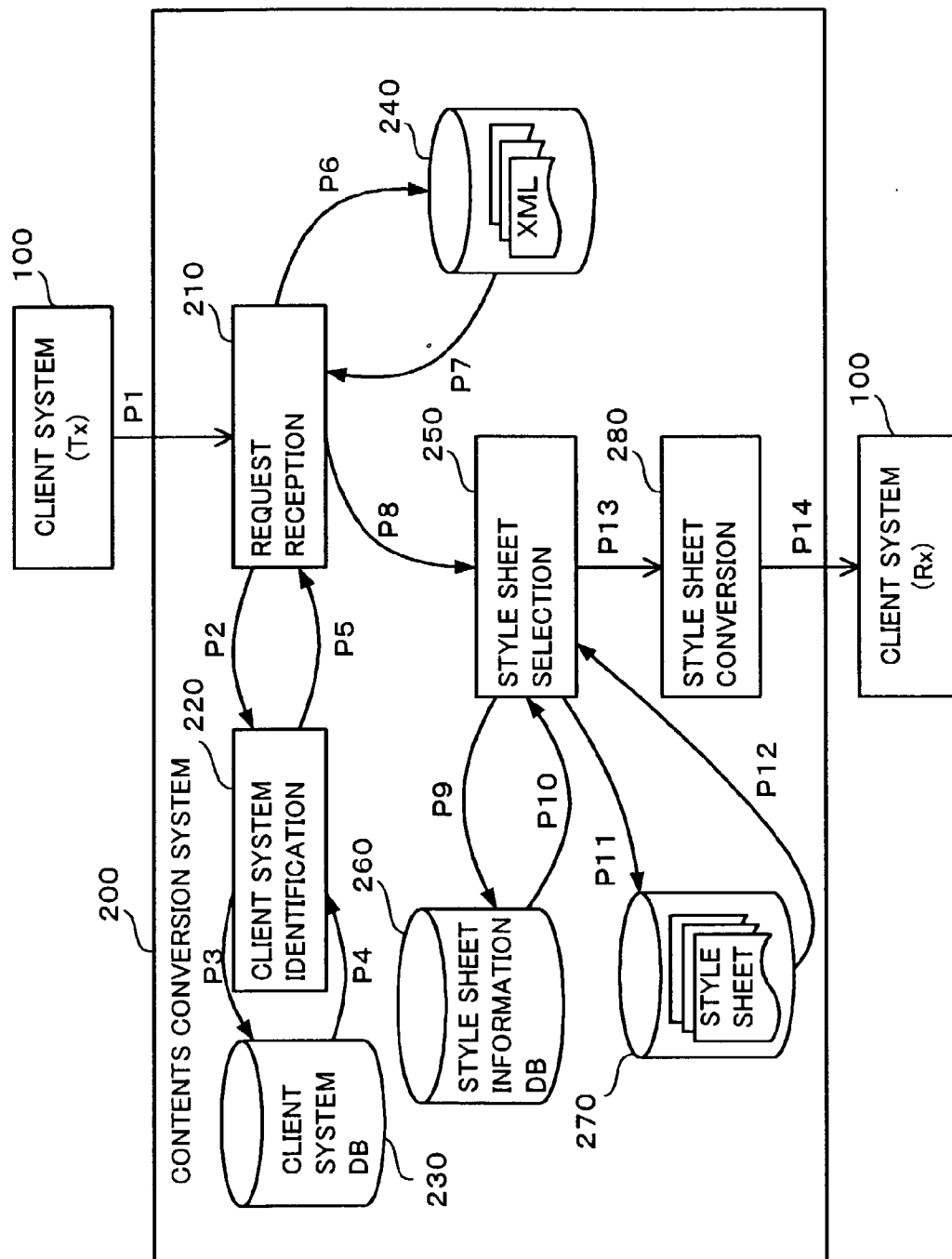


Fig. 1

GET/bar.xml HTTP/1.0  
User-Agent: CLIENT A  
Profile: "http://www.aaa.com/client a"

Fig. 2

Key	Client System Information
CLIENT A	ML=HTML, ML-Version=4.0, screen width=120, screen height=80 etc.
CLIENT B	ML=WML, ML-Version=4.0, screen width=60, screen height=30 etc.

Fig. 3

Example) DOCTYPE declaration in XHTML Basic

<?xml version = "1.0"?>

public identifier

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML Basic 1.0//EN"

"http://www.w3.org/TR/xhtml-basic/xhtml-basic 10.dtd">

URI of the file

Fig. 4

Key	File Path of the Style Sheet
ML=HTML. ML-Version=4.0, PUBLIC-ID=" ", SYSTEM-ID=" " ROOT-NAME="books"	file path A
ML=WML ML-Version=1.2, PUBLIC-ID=" ", SYSTEM-ID=" " ROOT-NAME="poix", ROOT-ATTRIBUTE="version="2.0"	file path B

Fig. 5

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