Title: SYSTEM AND METHOD PROVIDING A BINARY REPRESENTATION OF A WEB PAGE

(57) Abstract: Systems 100 and 200 and methods 300 and 400 for providing a binary representation of a web page. A server 102 may compile a source page 202, such as a hypertext markup language ("HTML") document, to create a compiled representation of the source page 204. Creation of a compiled representation may include generating a document object model ("DOM") 205 for the content 206 associated with the source page. The compiled page may be transmitted 218 to a client 104 as a DOM, as a random access file or flat file, where the data is encoded in one or more data types other than a string representation 208. The client 104 may receive the compiled page and load the compiled page directly as a DOM 212 for the page without the need to parse HTML text strings. The server 102 and client 104 may reconcile the data format of the compiled page, such as by exchanging or verifying a compiler dictionary associated with the page 216.