

Title (en)  
INVISIBLE ENCODING OF ATTRIBUTE DATA IN CHARACTER BASED DOCUMENTS AND FILES

Title (de)  
UNSICHTBARE CODIERUNG VON TEXTATTRIBUTEN

Title (fr)  
CODAGE INVISIBLE DE DONNEES D'ATTRIBUT DANS DES DOCUMENTS ET DES FICHIERS A BASE DE CARACTERES

Publication  
**EP 1145140 A2 20011017 (EN)**

Application  
**EP 00942022 A 20000607**

Priority  
• EP 0005239 W 20000607  
• US 33363299 A 19990615

Abstract (en)  
[origin: WO0077677A2] Messages that contain text elements and attributes that affect the display of the text elements are encoded as a plain-text message followed by a list of the changes to the plain-text message to effect the enhanced display of the plain-text message. By segregating the plain-text from the attributes associated with the text elements, all text applications are able to display an undisturbed copy of the text. The control and formatting attributes are appended to the plain-text, so that the direct display of the initial portion of the message is an immediately readable version of the text. Additionally, the control and formatting information may be encoded using "invisible" sequences of characters, such as space, backspace, tab, etc., or as a sequence of visible characters and corresponding invisible characters that have the effect of erasing the visible characters from view. By invisibly encoding the tag elements, the direct display of the message will appear as a plain-text message, because the tag elements will either be self-erasing, or appended to the plain-text message as "invisible" white space.

IPC 1-7  
**G06F 17/21**

IPC 8 full level  
**G06F 17/21** (2006.01)

CPC (source: EP)  
**G06F 40/103** (2020.01)

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**WO 0077677 A2 20001221**; **WO 0077677 A3 20010503**; CN 1335966 A 20020213; EP 1145140 A2 20011017; EP 1145140 A3 20021113; JP 2003502735 A 20030121

DOCDB simple family (application)  
**EP 0005239 W 20000607**; CN 00801713 A 20000607; EP 00942022 A 20000607; JP 2001503086 A 20000607