

Title (en)  
OVERWRITING STORED DATA ELEMENTS WITHOUT LOSING DATA

Title (de)  
DATENVERLUSTFREIES ÜBERSCHREIBEN GESPEICHERTER DATENELEMENTE

Title (fr)  
ÉCRASEMENT D'ÉLÉMENTS DE DONNÉES ENREGISTRÉS SANS PERTE DE DONNÉES

Publication  
**EP 2272012 A1 20110112 (DE)**

Application  
**EP 09737729 A 20090424**

Priority  
• DE 2009000571 W 20090424  
• DE 102008021667 A 20080430

Abstract (en)  
[origin: WO2009132621A1] A device (1, 29) and a method for storing data elements (6, 14, 17, 37, 39, 45, 48, 51) of specific attributes and accessing the stored data elements (6, 14, 17, 37, 39, 45, 48, 51) are described. Said device (1, 29) and method prevent stored data from being lost during overwriting and allow stored data elements to be overwritten in a more flexible manner. The device (1, 29) is designed to store data elements (6, 14, 17, 37, 39, 45, 48, 51) while assigning a respective validity period (9, 15, 18, 47, 49, 52). In case a first data element (6, 14, 17, 37, 39, 45, 48, 51) of a predefined attribute to which a first validity period (9, 15, 18, 47, 49, 52) is assigned is overwritten by a second data element (6, 14, 17, 37, 39, 45, 48, 51) of the predefined attribute, a second validity period (9, 15, 18, 47, 49, 52) which is shorter than the first validity period (9, 15, 18, 47, 49, 52) is assigned to the second data element (6, 14, 17, 37, 39, 45, 48, 51), and the second data element (6, 14, 17, 37, 39, 45, 48, 51) is stored while the first data element (6, 14, 17, 37, 39, 45, 48, 51) remains stored. Data elements (6, 14, 17, 37, 39, 45, 48, 51) of the predefined attribute can be accessed by defining a reference period; during said access, of all stored data elements (6, 14, 17, 37, 39, 45, 48, 51) of the predefined attribute to which a longer validity period (9, 15, 18, 47, 49, 52) than the reference period has been assigned, the one with the shortest validity period (9, 15, 18, 47, 49, 52) is read. If a shorter validity period than the reference period is assigned to all stored data elements (6, 14, 17, 37, 39, 45, 48, 51) of the predefined attribute, the device does not read a data element (6, 14, 17, 37, 39, 45, 48, 51).

IPC 8 full level  
**G06F 17/30** (2006.01)

CPC (source: EP)  
**G06F 16/30** (2018.12)

Citation (search report)  
See references of WO 2009132621A1

Citation (examination)  
DANIELA FLORESCU ET AL: "XL: An XML Programming Language for Web ServiceSpecification and Composition", PROCEEDINGS OF THE 11TH INTERNATIONAL CONFERENCE ON WORLD WIDE WEB, ACM, HONOLULU, HAWAII, USA, 7 May 2002 (2002-05-07), pages 65 - 76, XP058122161, ISBN: 978-1-58113-449-0, DOI: 10.1145/511446.511456

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**DE 102008021667 A1 20091105**; EP 2272012 A1 20110112; WO 2009132621 A1 20091105

DOCDB simple family (application)  
**DE 102008021667 A 20080430**; DE 2009000571 W 20090424; EP 09737729 A 20090424