

Title (en)  
DECLARATIVE MECHANISM FOR DEFINING A HIERARCHY OF OBJECTS

Title (de)  
DEKLARATIVER MECHANISMUS ZUM DEFINIEREN EINER HIERARCHIE VON OBJEKTEN

Title (fr)  
MECANISME DE DECLARATION PERMETTANT LA DEFINITION D'UNE HIERARCHIE D'OBJETS

Publication  
**EP 1639482 A4 20091028 (EN)**

Application  
**EP 03808239 A 20030516**

Priority  
US 0315692 W 20030516

Abstract (en)  
[origin: WO2004107195A1] Described is a method and data structure that enables an object to be specified declaratively within a markup document. The markup document may be XML-based (310). In accordance with the invention, the object is written based on a mapping. The mapping includes a URL attribute (316) for defining a location for a definition file having assemblies and namespaces (302) where classes (304) are specified. The class name (304) is mapped to the markup document (310) as a tag name (314). Properties (306) and events (308) of a class (304) are mapped to attributes (316) of the tag (314) associated with the class (304). The method further includes a method to parse the markup language (310) to create a hierarchy of objects. Attributes (316) that do not map directly to a class (304) are defined with a definition tag. The definition tag is also used to add programming code to a page.

IPC 8 full level  
**G06Q 50/10** (2012.01); **G06F 9/44** (2006.01); **G06F 40/143** (2020.01); **H04N 21/8543** (2011.01)

CPC (source: EP KR US)  
**G06F 8/30** (2013.01 - EP US); **G06F 40/131** (2020.01 - EP); **G06F 40/137** (2020.01 - EP); **G06F 40/143** (2020.01 - EP US);  
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Citation (search report)  
• [Y] US 6083276 A 20000704 - DAVIDSON HAROLD R [US], et al  
• [A] US 2002085020 A1 20020704 - CARROLL THOMAS J [US]  
• [A] EP 1156429 A2 20011121 - MICROSOFT CORP [US]  
• [Y] WALL, LONNIE ET AL: "Building Web Services and .NET Applications", 2002, MCGRAW-HILL/OSBORNE, XP002545299  
• [A] BRAY T ET AL: "Namespaces in XML", INTERNET CITATION, XP002233036, Retrieved from the Internet <URL:http://www.w3.org/TR/1999/REC-xml-names-19990114> [retrieved on 20030228]  
• [A] FAY D: "An architecture for distributed applications on the internet: overview of microsoft's .NET platform", PARALLEL AND DISTRIBUTED PROCESSING SYMPOSIUM, 2003. PROCEEDINGS. INTERNATIONAL APRIL 22-26, 2003, PISCATAWAY, NJ, USA, IEEE, 22 April 2003 (2003-04-22), pages 90 - 96, XP010645625, ISBN: 978-0-7695-1926-5  
• See references of WO 2004107195A1

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**WO 2004107195 A1 20041209**; AU 2003248534 A1 20050121; CN 100338595 C 20070919; CN 1615476 A 20050511;  
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