

Title (en)
SYSTEM AND METHODS FOR OBJECT-ORIENTED CONTROL OF DIVERSE ELECTROMECHANICAL SYSTEMS USING A COMPUTER NETWORK

Title (de)
SYSTEM UND VERFAHREN FÜR OBJEKTORIENTIERTE STEUERUNG VON VERSCHIEDENEN ELEKTROMECHANISCHEN SYSTEMEN UNTER VERWENDUNG EINES RECHNERNETZWERKS

Title (fr)
SYSTEME ET PROCEDES DE COMMANDE ORIENTEE OBJET DE DIVERS SYSTEMES ELECTROMECHANIQUES UTILISANT UN RESEAU INFORMATIQUE

Publication
EP 1082669 A4 20060503 (EN)

Application
EP 99923081 A 19990514

Priority
• US 9910711 W 19990514
• US 8553998 P 19980515

Abstract (en)
[origin: WO9960487A1] A control system methodology uses object-oriented software to integrate multiple control systems into a common object model. Object-oriented techniques are used to construct distributed Java-based applications in a multi-vendor open system environment for use in controlling and monitoring systems of varying size and configuration. The system provides both a browser client (101) (running on a Java-enabled browser) and a server client (121). The present invention has multiple stations: a Web BAS Server (110), a Network Processor (NP) (111), and a Field Controller (FC) (112). The NP and FC are preferably Java Virtual Machines implemented in a plug-in Java Modular Environment. Information is brought into a common object model and made available throughout the system. A custom programming language based on Java is provided for object creation, with access to objects controlled through a multi-level security protocol. Data flow is governed by a real-time information synchronization manager.

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G06F 15/163; **G06F 9/00**; **G06F 9/46**

IPC 8 full level
G06F 9/46 (2006.01); **G06F 9/44** (2006.01)

CPC (source: EP KR)
G06F 9/4488 (2018.01 - EP); **G06F 15/163** (2013.01 - KR)

Citation (search report)
• [X] ORIHARA A ET AL: "An autonomous decentralized system platform under multi-vendor environments in building automation", AUTONOMOUS DECENTRALIZED SYSTEMS, 1997. PROCEEDINGS. ISADS 97., THIRD INTERNATIONAL SYMPOSIUM ON BERLIN, GERMANY 9-11 APRIL 1997, LOS ALAMITOS, CA, USA,IEEE COMPUT. SOC, US, 9 April 1997 (1997-04-09), pages 409 - 415, XP010224273, ISBN: 0-8186-7783-X
• See references of WO 9960487A1

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