Title (en)
METHOD FOR CONTROLLING AN EXCHANGE OF DATA

Title (de)
VERFAHREN ZUM STEUERN EINES DATENAUSTAUSCHS

Title (fr)
PROCEDE DE COMMANDE D'UN ECHANGE DE DONNEES

Publication
EP 1646943 A1 20060419 (DE)

Application
EP 04738790 A 20040623

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- DE 2004001341 W 20040623
- DE 10333888 A 20030722

Abstract (en)
[origin: WO2005010753A1] The invention relates to a method for exchanging data between a communications unit (7, 8, 9) and a data source (2, 3, 4) of a control system (1), during which a runtime system comprised of hardware components (2, 3, 4) and software components (5, 6) transfers data between the data source (6, 7, 8) and a communications unit (7, 8, 9), and a processing chain (10) controls and/or monitors the exchange of data. The aim of the invention is to provide a method of the aforementioned type that can be modified easily and without interrupting the runtime system. To this end, the invention provides that the processing chain (10) is composed of processing routines (11), which each have a uniform input interface, whereby the processing routines (11) are called up in succession, and the data of a called up processing routine (11) are fed to the input interface of an immediately subsequent processing routine (11). In addition, the runtime system manages a dynamic storage area and accesses this storage area in order to establish the sequence with which the processing routines (11) are called up.

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G06F 9/46

IPC 8 full level
G06F 9/46 (2006.01); **H04L 1/24** (2006.01); **H04L 12/16** (2006.01); **H04L 12/54** (2006.01)

CPC (source: EP US)
G06F 9/543 (2013.01 - EP US)

Citation (search report)
See references of WO 2005010753A1

Citation (examination)
FRANK BUSCHMANN, ET AL.: "Pattern-Oriented Software Architecture: A System of Patterns", 1996, JOHN WILEY & SONS LTD, BALFINS LANE, CHICHESTER, WEST SUSSEX PO19 1UD, ENGLAND

Cited by
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