Title (en)

METHOD AND APPARATUS FOR AUTOMATICALLY CREATING A DATA WAREHOUSE AND OLAP CUBE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUTOMATISCHEN ERZEUGEN EINES DATEN-WAREHOUSE UND OLAP-WÜRFEL

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT DE CREER AUTOMATIQUEMENT UN ENTREPOT DE DONNEES ET UN CUBE OLAP (TRAITEMENT ANALYTIQUE EN LIGNE)

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2005106711A1] A data warehouse design that combines data from multiple source ledgers or modules is constructed and from that an associated, single physical Star or Snow-Flake schema and OLAP hyper-cube analytic structure is generated to enable cross-functional analysis of any those multiple source ledgers or modules. The step of constructing the data warehouse or the step of generating the associated OLAP cube is achieved without significant human intervention using software. The present invention is based on the insight that the technical bias against generating individual data marts and OLAP cubes from multiple source ledgers is not well founded. Previously, the norm has been to generate a single physical OLAP cube for each individual ledger - hence one for the General Ledger, a further one for sales order processing etc. This prior art approach makes cross functional analysis multiple source ledgers and sub-ledgers difficult since it requires the creation of a further level of physical or virtual cubes across multiple physical cubes and complex querying. This is no longer necessary with the present invention.

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