Title (en)
A SYSTEM FOR INTEGRATING DIVERSE DATABASES AND MAINTAINING THEIR CONSISTENCY

Title (de)
SYSTEM ZUR INTEGRATION UNTERSCHIEDLICHER DATENBANKEN UND ZUR BEWAHRUNG IHRER KONSISTENZ

Title (fr)
SYSTEME POUR INTEGRER DES BASES DE DONNEES DIVERSES ET MAINTENIR LEUR COHERENCE

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Application
EP 01930534 A 20010410

Priority
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Abstract (en)
[origin: WO0180094A2] An arrangement maintains consistency among satellite databases and an integrated database that is the union of the satellite databases with a controller that fetches update requests from a queue and applies each fetched request to all of the databases, in sequence, ending with the integrated database. In applying a modification request to a target database, a filter is used that comprises two components. The first component processes the modification request submitted by the queue to a modification request that is appropriate for the schema of the target database and that is based on the data that is already present in the target database. When appropriate, the first component also creates an update request that is sent to the queue, to achieve transitive closure. The second component communicates with the target database, using the API and protocols of the target database.

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