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Shakib et al.

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[54] SYSTEM AND METHOD FOR DISTRIBUTED CONFLICT RESOLUTION BETWEEN DATA OBJECTS REPLICATED ACROSS A COMPUTER NETWORK

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[57] ABSTRACT

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A system and method for distributed conflict resolution between different versions of the same data object which are replicated across a computer network is disclosed. The invention can be utilized with and adapted to any desired replication process. The conflict resolution process allows identification and resolution of conflicts with little or no increased message traffic on the network. The conflict resolution process is independent of the order in which conflicts are resolved and all replica nodes in the enterprise will eventually resolve the conflict in exactly the same manner. The method is adapted for resolution of conflicts between data objects or between objects which define the properties of sets of data objects. The final selection of which version of the object should be maintained and which version of the object should be deleted can be fully automated, completely manual, or a combination of the two.

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26 Claims, 8 Drawing Sheets

