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(54) **CALCULATING RISK ASSESSMENT VALUE OF EVENT SEQUENCE**

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(58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

Provided are a method, an apparatus and a computer program for calculating a risk assessment value for an event sequence, which are capable of calculating the risk assessment value of each even sequence by calculating a totally ordered set on the basis of a partially ordered set indicating the event sequence. The risk assessment value of an event sequence that is a partially ordered set indicating some events of an event group of M kinds of events (M is a finite natural number) in a time series. The partially ordered set is converted into an approximate totally ordered set, and an M-dimensional feature vector is calculated based on the totally ordered set obtained by the conversion. A projection matrix for calculating the risk assessment value is calculated using the calculated M-dimensional feature vector.

4 Claims, 7 Drawing Sheets