

Abstract

An acceleration monitoring device that comprises: an acquisition unit that acquires measured acceleration waveforms, being acceleration waveforms measured by a vehicle that is traveling a trajectory; a storage unit that stores a reference acceleration waveform, being an acceleration waveform that serves as a reference for measured acceleration waveforms for a predetermined area of interest that is part of the trajectory; and a monitoring unit that monitors the acceleration values for non-linear expanded/contracted and measured acceleration waveforms, being acceleration waveforms made to correspond to the reference acceleration waveform by non-linearly expanding and contracting the time axis for measured acceleration waveforms.