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(54) Title: A SYSTEM AND METHOD FOR TIME-FREQUENCY SEPARATION OF MULTIPLE RADIO SIGNALS

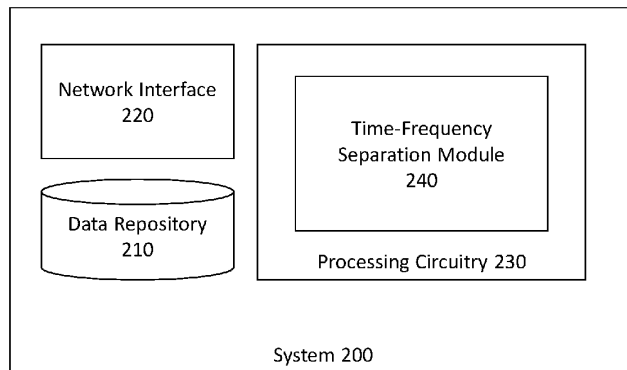


Fig. 2

(57) Abstract: A system for time-frequency separation based on image analysis of one or more spectrograms of multiple radio signals received over time from one or more emitters, the system comprising a processing circuitry configured to: determine, using image analysis, a region of at least one of the spectrograms containing representations of a superposition of two or more overlapping radio signals of the radio signals, the overlapping radio signals being representations of radio signals sharing a common time-frequency within the at least one of the spectrograms; decompose the superposition of the two or more overlapping radio signals within the region into separate signal representations, wherein each given separate signal representation of the separate signal representations is expressed by a corresponding bounding box around the given separate signal representation; and perform, utilizing the separate signal representations, one or more actions.

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