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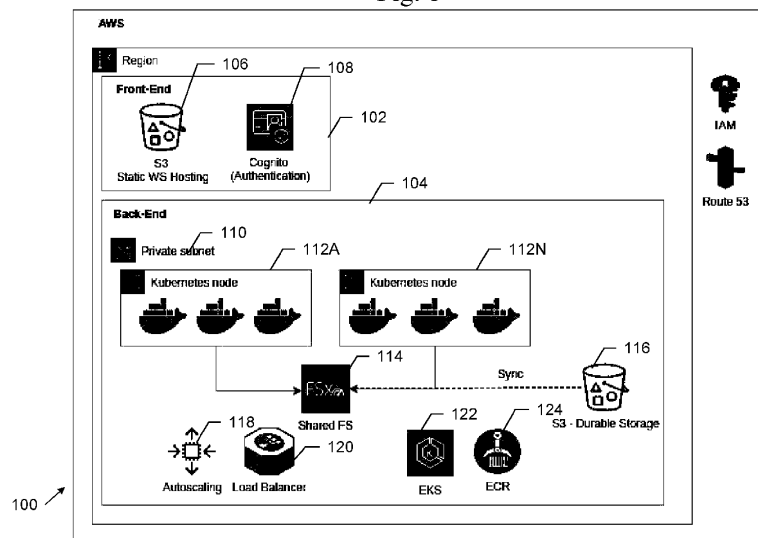
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- (54) Title: MULTIMODAL ANALYSIS COMBINING MONITORING MODALITIES TO ELICIT COGNITIVE STATES AND
PERFORM SCREENING FOR MENTAL DISORDERS

Fig. 1



- (57) Abstract: Embodiments may provide improved techniques for mental health screening and its provision. For example, a method may comprise receiving input data relating to communications among persons, the input data comprising a plurality of modalities, extracting features relating to the plurality of modalities from the received input data, performing multimodal fusion on the extracted features, wherein the multimodal fusion is performed on at least some of the features relating to individual modalities and on at least some combinations of features relating to a plurality of modalities, classifying the fused features using a trained model for detection of at least one mental disorder, and generating a representation of a disorder state based on the classified fused features. For the multimodal fusion, a late fusion scheme instead of early fusion may be used to make the model more interpretable and explainable without compromising

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