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(54) **Title:** METHOD AND SYSTEM FOR EVALUATING A THERAPEUTIC INTERVENTION

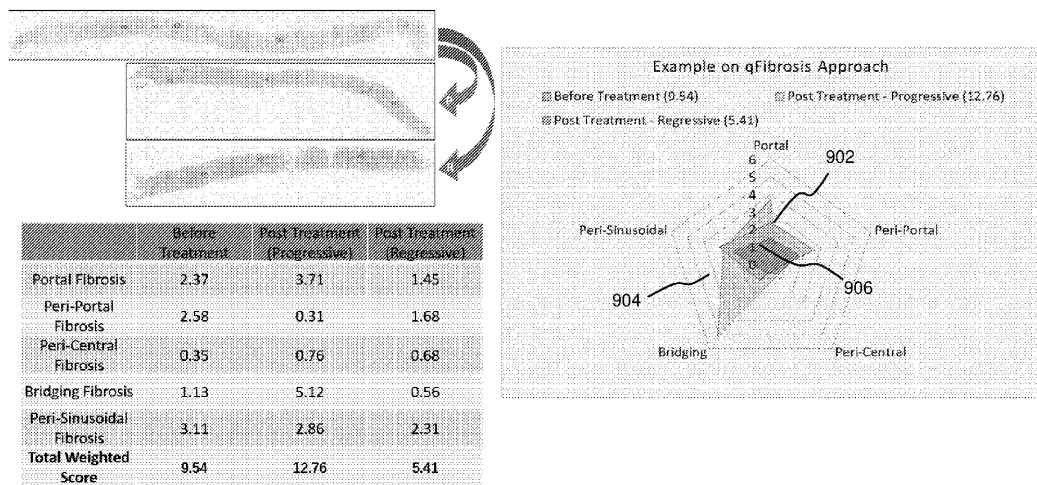


Figure 9

(57) **Abstract:** A method for evaluating a therapeutic intervention includes receiving a first set of image data indicative of a histopathological feature and a second set of image data indicative of the histopathological feature. The first set of image data includes data extracted from a first liver biopsy sample of a subject before the therapeutic intervention. The second set of image data includes data extracted from a second liver biopsy sample of the subject after the therapeutic intervention. The method further includes quantifying a selected plurality of sub-features of the histopathological feature from each of the first and second sets of image data to form first and second sets of quantified sub-features respectively, and evaluating the therapeutic intervention based on a comparison of the first and second sets of quantified sub-features. In one embodiment, evaluating the therapeutic intervention comprises comparing the sums of values in the first and second sets of quantified sub-features, the sub-features comprising portal fibrosis, peri portal fibrosis, peri central fibrosis, bridging fibrosis and peri sinusoidal fibrosis.

[Continued on next page]

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