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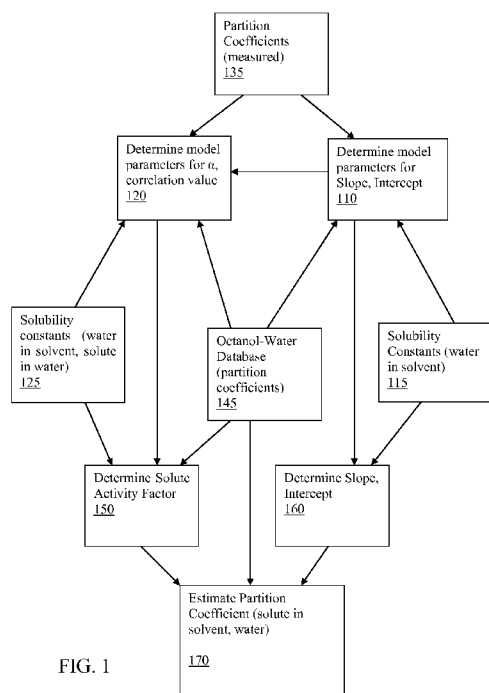
(54) Title: ASSESSMENT OF SOLUTE PARTITIONING IN CRUDE OILS

FIG. 1

(57) **Abstract:** Partition coefficients for solutes in solvent-water systems are estimated based on corresponding values for the octanol-water system. The estimation of the partition coefficient includes correction factors based on the nature of the solute and the solvent. Petroleum fractions are an example of a suitable solvent for which a partition coefficient can be estimated, although other types of solvents can be used in developing a model for use in the estimation.