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- (54) **Title:** METHODS AND SYSTEMS FOR DEVELOPING CHROMATOGRAPHY PROTOCOLS

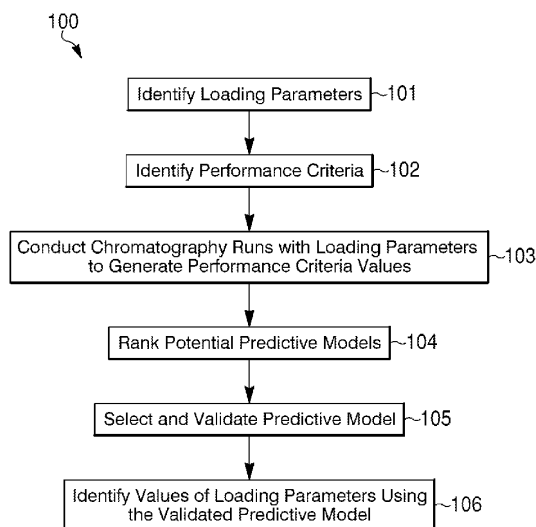


FIG. 1

(57) **Abstract:** A method of purifying a target molecule may include introducing a load including a high molecular weight species concentration (%HMW) to a chromatography apparatus comprising sartobind phenyl chromatography media. A method of generating a chromatography protocol, may include identifying chromatography loading parameters, identifying chromatography performance criteria. The method of generating the chromatography protocol may include selecting combinations of test values of the loading parameters, and conducting a chromatography run for each combination of the set of test values combinations, thereby generating actual performance criteria values corresponding to each combination of the set of test value combinations.

[Continued on next page]

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