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- (71) **Applicant: REGENERON PHARMACEUTICALS, INC.** [US/US]; 777 Old Saw Mill River Road, Tarrytown, New York 10591 (US).
- (72) **Inventors: GUPTA, Nimish;** c/o Regeneron Pharmaceuticals, Inc., 777 Old Saw Mill River Road, Tarrytown, New York 10591 (US). **COWAN, Christopher;** c/o Regeneron

Pharmaceuticals, Inc., 777 Old Saw Mill River Road, Tarrytown, New York 10591 (US). **MATTILA, John;** c/o Regeneron Pharmaceuticals, Inc., 777 Old Saw Mill River Road, Tarrytown, New York 10591 (US).

(74) **Agent: PORTIS, Jason et al.;** c/o Bookoff McAndrews, PLLC, 2000 Pennsylvania Ave., Suite 4001, Washington, District of Columbia 20006 (US).

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

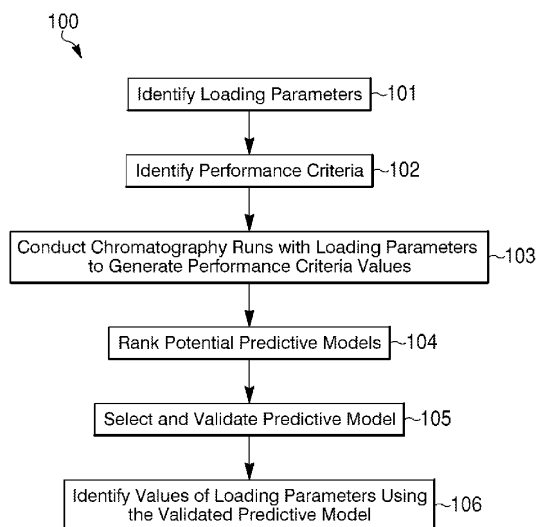


FIG. 1

(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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