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(54) Title: SYSTEM SUITABILITY PARAMETERS AND COLUMN AGING

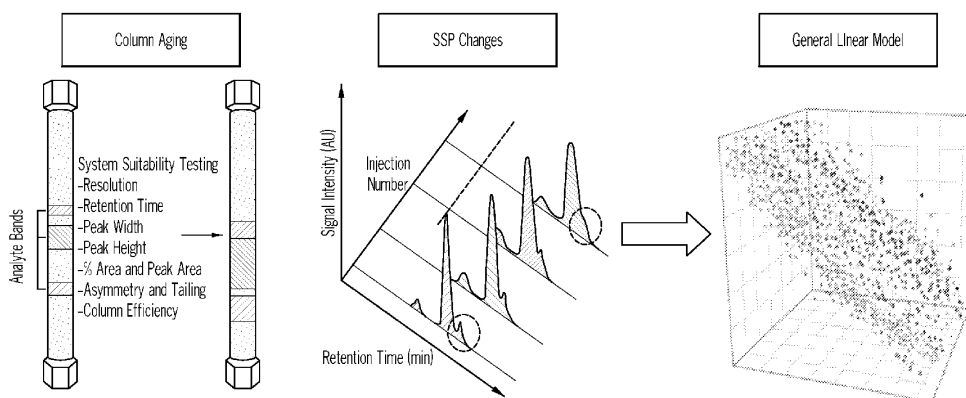


FIG. 6A

(57) Abstract: The inventions provide methods for monitoring column performance and operating chromatography column by applying generalized linear model to system suitability parameters (SSPs) to assess how fast the column is aging and whether the column stationary phase needs to be replaced. The methods will lead to faster identification of column failures and help maintain high separation quality and consistent analytical results for analytical and preparative chromatography methods. Columns evaluated and/or monitored by the methods and products resulting from use of the columns and methods also are provided.

[Continued on next page]

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