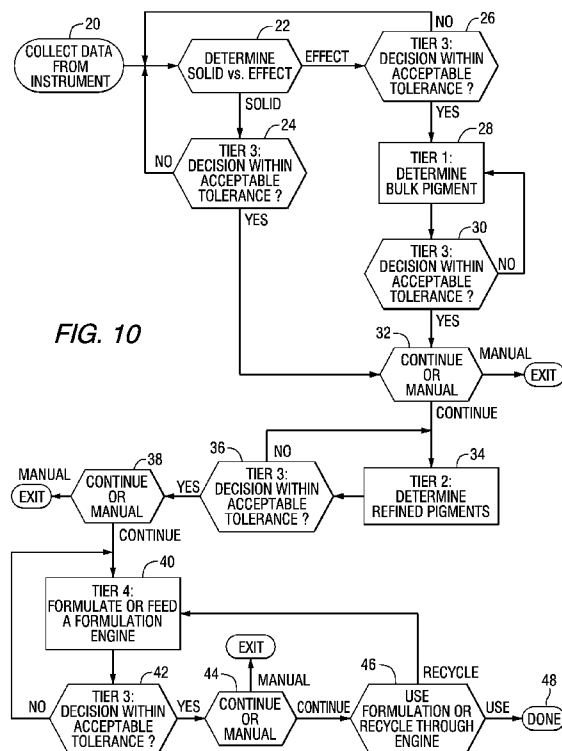


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[Continued on next page]

(54) **Title:** SYSTEMS AND METHODS FOR DETERMINING A COATING FORMULATION

(57) **Abstract:** A computer implemented method. The method includes identifying, using a processor, a bulk pigment in a target coating, wherein identifying comprises applying a Bayesian process, and identifying, using the processor, at least one refined pigment in the target coating, wherein identifying comprises applying a Bayesian process. The method also includes formulating, using a processor, a formulation of the target coating, wherein formulating comprises applying a Bayesian process, and outputting the formulation.

**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
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