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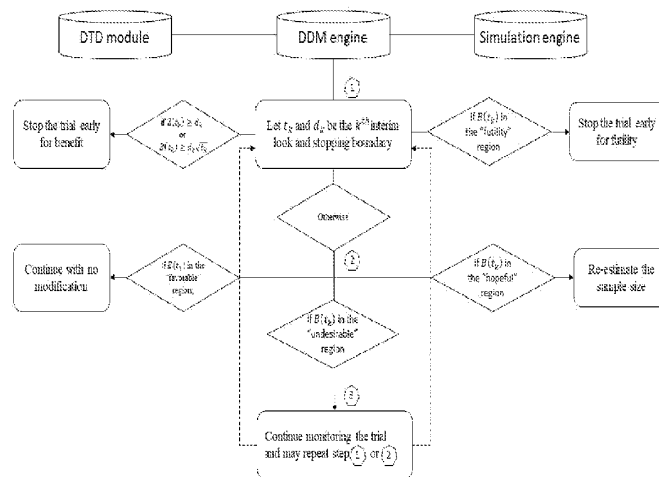
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(54) Title: A RADAR SYSTEM FOR DYNAMICALLY MONITORING AND GUIDING ONGOING CLINICAL TRIALS

FIGURE 4F



(57) Abstract: A "radar" system for dynamically monitoring and guiding ongoing clinical trials. The system partitions the data space into 3 primary regions comprising "favorable", "hopeful" and "undesirable" to reflect the trial status. The undesirable region comprises a futility region, and the favorable region comprises a successful region. The boundaries defining these regions are subject to adjustment as the clinical trial proceeds. The accumulative treatment effect, data trends, stopping boundaries, trajectory and other information are graphically displayed on the "radar" screen. The system takes learning from the observed and accumulated data and performs simulations to intelligently guide the trials. The system is used in re-analysis or diagnosis of clinical trials already completed and provides guidance for clinical trial design or amendment.

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Declarations under Rule 4.17:

- *as to the identity of the inventor (Rule 4.17(i))*
- *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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