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(54) Title: MOBILE PHONE NETWORK OPTIMISATION SYSTEMS

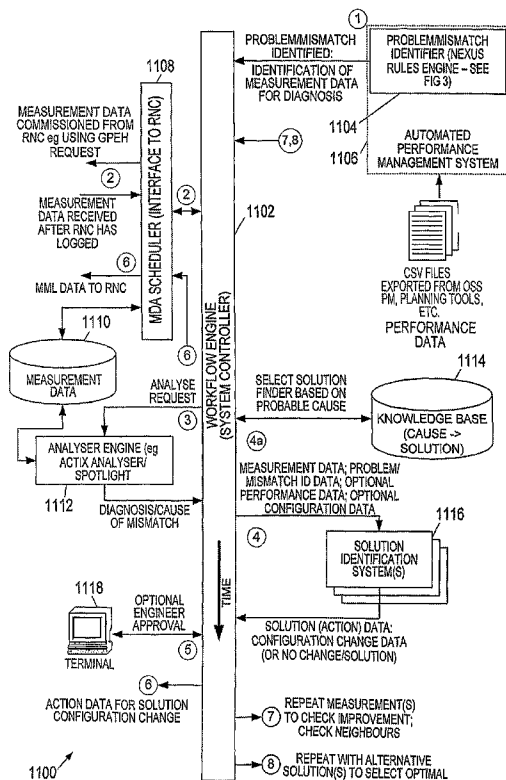


Fig. 11b

(57) Abstract: This invention relates to systems and methods for managing and optimising mobile phone networks. A mobile phone network optimisation system to control at least part of a mobile phone network in response to performance data from said mobile phone network to optimise performance of the mobile phone network towards a performance goal, the system comprising: a first interface to receive said performance data from said mobile phone network, said performance data comprising aggregated data for a plurality of calls; a second interface to commission measurement data from said mobile phone network and to receive said commissioned measurement data, said measurement data comprising data logged for a plurality of mobile phones of said network; a third interface to provide configuration data to said mobile phone network for changing a configuration of said network; a performance monitoring system coupled to said first interface to identify a mismatch between said performance goal and performance of said mobile phone network represented by said performance data, and to provide mismatch identification data for said mismatch responsive to said identification; a measurement data request system coupled to said second interface to commission a set of said measurement data from said mobile phone network, wherein said measurement data is selectively commissioned responsive to said mismatch identification data; a measurement data analysis system to receive and analyse said commissioned measurement data, to determine a probable cause of said mismatch, and to provide analysis data identifying said probable cause; and an action determination system coupled to said third interface to receive said analysis data and to output to said third interface action data dependent on said analysis data, said action data identifying one or more configuration changes to be made to said mobile phone network to reduce said mismatch.

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