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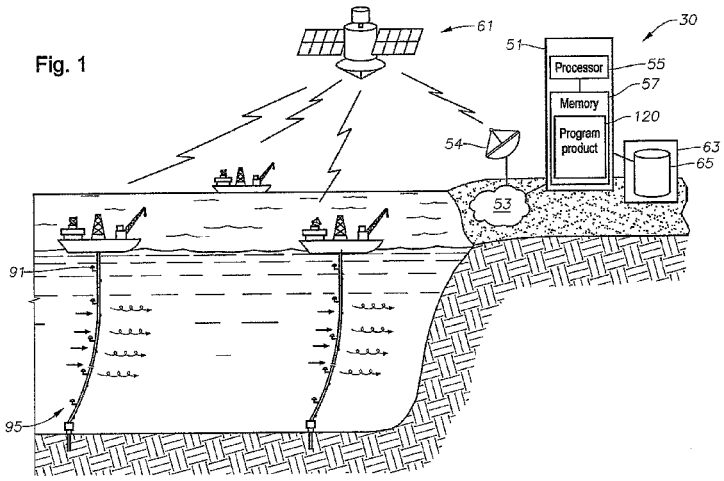
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Fig. 1



(57) Abstract: A system, program product, and method for monitoring and managing a plurality of marine riser assets is provided. The system can include one or more floating vessels each carrying a shipboard computer, a plurality of riser assets to be tracked and monitored, a riser asset identification sensor positioned to identify select riser assets being deployed to establish a riser string, one or more riser joint instrument modules positioned along the length of the riser string to provide riser asset load data, a centralized data warehouse to store riser asset identification and loading data for riser assets deployed at multiple remote vessel locations, and a riser lifecycle management server and riser lifecycle management program product adapted to monitor riser asset conditions, issue automated service alerts based on actual use information, maintain routine and non-routine maintenance records, manipulate and categorize riser assets, and automatically generate an accurate riser system configuration as was actually deployed for any particular drilling/completion operation.

WO 2009/102809 A3