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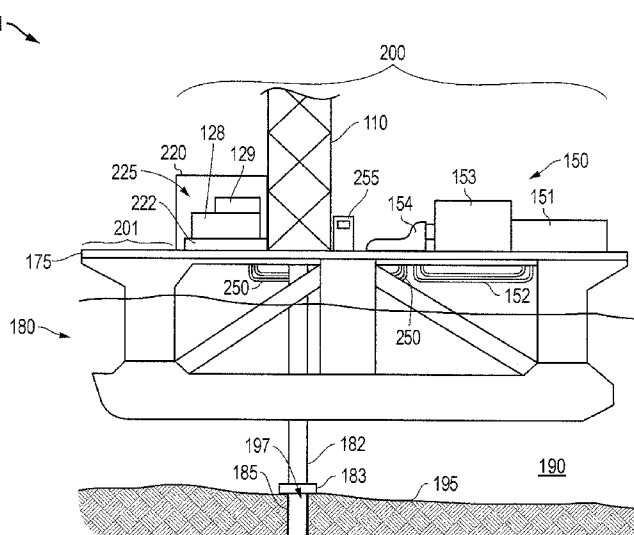
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(54) Title: INTEGRATED PUMP ASSEMBLY FOR WELL COMPLETION



(57) Abstract: An integrated pump assembly (200) for both delivering mud and cement slurry to a borehole during a well completion operation. The pump assembly includes separate mud and cement pumps for maintaining isolation between mud (150) and cement slurry during different stages of the operation. However, in order to obviate the need for a dedicated cement pump (225) prime mover, the cement pump may be driven by the mud pump itself or a prime mover coupled to the mud pump, in the case of coupling the cement pump to the mud pump a hydraulic line may be employed such that hydraulically compatible mud and cement pumps may be more remotely positioned relative to one another if so required based on equipment blueprints for a given well completion facility to be located at a production site.



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