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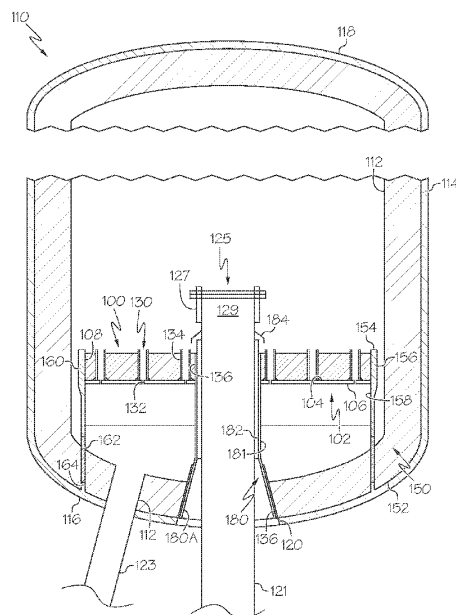


FIG. 1

(57) Abstract: According to one or more embodiments, a plate grid distributor for distributing a fluid in a vessel or a plenum for removing a fluid from a vessel may include a plate and a skirt. The skirt may be in direct contact with the plate and may include a first portion and a second portion. The first portion may be in direct contact with the plate and the second portion may be in direct contact with the first portion. The first portion may have a first allowable stress and the second portion may have a second allowable stress. According to one or more other embodiments, a method of distributing a fluid through a plate grid distributor in a vessel may include passing the fluid into the vessel and directing the fluid through the plate grid distributor.

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