

Twin-hull offshore structure comprising an interconnecting central deck**Abstract**

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The invention relates to a floating hydrocarbon processing and storage structure with a first and a second assembly each comprising a hull having spaced-apart side walls, one or more storage tanks and a deck structure, a connection structure interconnecting the first and second hulls, processing equipment being situated on the hull deck structures, at least one hydrocarbon riser connected to a subsea hydrocarbon well and to the processing equipment and/or to the storage tanks, and with a mooring system connecting the hydrocarbon processing and storage structure to the sea bed, characterised in that each hull comprises a respective hull deck structure bridging the side walls, the interconnection structure comprises a central deck extending at or near the height of the hull deck structures along at least along 70 % of the length of the hulls, the central deck supporting one of the following features or a combination thereof: a number of risers vertically extending from the central deck between the hulls to the sea bed, along a length of at least one third of the length of the central deck, preferably along half of its length, a number of fluid ducts horizontally supported on the central deck along at least one third of the length of the central deck, preferably along half of its length, and at least one drilling or work-over rig or crane.

(Fig. 2)

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