Title: Jacking system for a leg of a jack-up platform

Abstract

Jacking system (4) for a leg (3) of a jack-up platform (1), comprising
- at least three independent yokes (7a-7d), each yoke is connected to a jack-up structure (5) by at least one vertically arranged double acting actuator (8a-8d') and is equipped with a leg engaging mechanism such as a horizontally arranged movable locking pin (9a-9d), which is configured to engage or to disengage with a hole of the jack-up leg, in order to transfer a load (L) from the jack-up platform (1) to the leg (3), including a controller configured to operate the yokes (7a-7d) in a way that the leg (3) is moved by all the at least three yokes (7a-7d) in an alternating mode, such that at any moment in time during operation all but one of the at least three yokes (7a-7d) take the load (L) via the associated engaging mechanism, while the remaining yoke of the at least three yokes (7a-7d) makes a return stroke with its engagement mechanism in a disengaged position.

Figure 6

Title: Jacking system for a leg of a jack-up platform

Abstract

Jacking system (4) for a leg (3) of a jack-up platform (1), comprising
- at least three independent yokes (7a-7d), each yoke is connected to a jack-up structure (5) by at least one vertically arranged double acting actuator (8a-8d') and is equipped with a leg engaging mechanism such as a horizontally arranged movable locking pin (9a-9d), which is configured to engage or to disengage with a hole of the jack-up leg, in order to transfer a load (L) from the jack-up platform (1) to the leg (3), including a controller configured to operate the yokes (7a-7d) in a way that the leg (3) is moved by all the at least three yokes (7a-7d) in an alternating mode, such that at any moment in time during operation all but one of the at least three yokes (7a-7d) take the load (L) via the associated engaging mechanism, while the remaining yoke of the at least three yokes (7a-7d) makes a return stroke with its engagement mechanism in a disengaged position.

Figure 6