

ABSTRACT

DEVICE FOR AUTOMATIC UNLASHING OF CARGO CONTAINERS

5 Specially designed to carry out unlocking shipping containers, eliminating the physical risks for
port personnel, it consists of a telescopic load-bearing structure (1) that can be moved up with
a port crane (3), and at its ends, pairs of lateral frames emerge (5-5') that have a robotic
mechanism (6) on their inner faces, with at least three degrees of movement for a claw for
10 catch onto the handles (11) for opening different types of securing mechanisms (12) of the
container (13). The claw will have at least one degree of freedom of movement, while the
robotic mechanism (6) is assisted by artificial vision (14) and motion systems (16) that can be
remotely operated, assisted, or fully automatic.

(FIG. 1)

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