

Title (en)
CAPPING DEVICE

Title (de)
CAPPING-GERÄT

Title (fr)
DISPOSITIF DE CAPSULAGE

Publication
EP 3932852 B1 20231018 (EN)

Application
EP 21173935 A 20210514

Priority
JP 2020112138 A 20200629

Abstract (en)
[origin: EP3932852A1] Occurrence of "thread overriding" during attachment of a cap to the resin container, which is a phenomenon in which a lower end of a threaded portion of the cap being lowered overrides the first thread and reaches the second thread of a threaded portion of the container, is suppressed. In a case of attaching a cap 8 to a mouth 5C of a container 5 by a capping head 3 while conveying the container 5 at a predetermined operation speed (850 bpm), rotation of a servomotor 12 is started to rotate the cap 8 in a fastening direction in the middle of lowering the capping head 3 (at a point X1), prior to contact between threaded portions of the cap 8 and the container 5. And then, a lower end 8A' of a threaded portion 8A of the cap 8 being lowered while being rotated is brought into contact and smoothly engaged with the threaded portion 5D of the container 5 while rotating, thus enabling suppression of occurrence of "thread overriding". Consequently, prevention of the contamination of an inner face of the cap 8 and the threaded portions 8A, 5D is enabled through suppression of spill of a filling liquid due to impact of the "thread overriding".

IPC 8 full level
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