

**TITLE OF INVENTION: [A DISPENSING BOTTLE CAP COMPRISING A STRESS-
RUPTURABLE CHAMBER]**

ABSTRACT

The present invention discloses a dispensing bottle cap comprising a base (1), a pressing key (2), and a chamber bottom (3) positioned inside the base (1). The base (1) comprises a first opening (102) at one end and a second opening (103) at the opposite end. The pressing key (2) comprises a flexible pressing portion (21), a connecting portion (22), and a stress-actuated portion (23). The connecting portion (22) is circumferentially arranged around the pressing portion (21), while the stress-actuated portion (23) extends from the pressing portion (21). The connecting portion (22) is positioned at the first opening (102), and together with the pressing portion (21), the base (1), and the chamber bottom (3), forms a sealed accommodating chamber (101). The present invention enables progressive, directed puncturing from a point to a line through a simultaneous rupturing and pushing process, thereby reducing the force required to break the chamber bottom (3) (i.e., a stress-rupturable chamber) and ensuring smoother dispensing of the preloaded substance. At the same time, the present invention does not require compromising the structural robustness of the chamber bottom (3), thereby enabling reliable storage of substances, including those that require delicate handling and preservation.

[Fig. 1]