

Abstract

Severing device with controlled triggering

- 5 Device for severing parts of a concrete work, comprising a container (10) in which
an over-pressure is generated by a gas produced by a chemical reaction between
a chemical compound and an aqueous solution after a predetermined delay. The
container (10) includes the aqueous solution and is attached to a case (12)
comprising a first recess (24) for storing the chemical compound. A burst disk (23)
10 is arranged between the first recess (24) and the container (10) for ensuring a total
sealing between the chemical compound and the aqueous solution. The case (12)
includes a second recess (25) enclosing an electronic trigger (11), an actuator (32)
being controlled by the trigger (11) to cause bursting of the burst disk (23) after a
predetermined delay, causing said chemical reaction inside the container (10).

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(Figure 1)