

ROPE FOR AN ELEVATOR, ELEVATOR AND METHOD

Abstract

The invention relates to a rope (1) for a hoisting device, in particular for an elevator, the rope (1) comprising at least one continuous load bearing member (2) extending in longitudinal direction of the rope (1) throughout the length of the rope (1), the load bearing member (2) being made of composite material comprising reinforcing fibers (f) embedded in polymer matrix (m). The composite material comprises capsules (3) embedded in said polymer matrix (m), the capsules storing monomer substance (4) in fluid form. The invention also relates to an elevator comprising a rope (1) of the aforementioned kind and a method for condition monitoring of a rope (1) of an elevator.

Figure 1