

Abstract

The invention relates to an energy supply system (1), in particular for a tool which is secured or can be secured to a lifting mechanism (2), comprising a cable store (3) for winding and unwinding at least one energy cable (4) about a winding center (5) of the cable store (3). At least one carrier (6) is provided for the at least one energy cable (4), and the cable store (3) has an opening (7) for the inlet and outlet of the carrier (6) and the energy cable (4). The at least one carrier (6) can be guided through the opening (7) in order to guide the carrier (6) and the energy cable (4) in sections in the cable store (3) to the winding center (5) of the cable store (3) over a first guide path (9) through a first guide arc (10), over a second guide path (11), which adjoins the first guide arc (10), through a second guide arc (12), and over a third guide path (13), which adjoins the second guide arc (12) and lies further inwards relative to the winding center (5) than the first guide path (9), and optionally over additional guide paths and guide arcs, using guiding means (8).

[Fig.4]