Abstract

Energy guiding chain (1) for housing and guiding ducts (2) between a fixed base (3) and a mobile driver (4). Said chain comprises two parallel plate-link lines consisting of plate-links (5) which are opposite to each other in a cross-wise direction and connected by means of transverse links (7). Those plate-links (5) of each plate-link line which are directly adjacent have overlapping joint areas so that they can be pivoted in relation to each other in the direction of bending of the chain. At least in an area of the chain adjacent to the driver (4), the chain links (7a, 7b, 7c, 7d, 7e, 7f, 7g) are linked to each other in a traction-stable manner in several sections by means of at least one element (6) which is substantially non-extendible in the longitudinal direction of the chain and flexible in the direction of bending of the chain. The invention aims to ensure that the chain functions reliably especially in hot and humid environments. To this end, the chain links, in several sections of at least three links, and the driver (4) are fixed to the element(s) (6) in such a way that forces transmitted by the fixation to the chain links act approximately at the level of the pivoting axes of the chain links and the tension of the element(s) (6) in the longitudinal direction of the chain is such that it tends towards zero when the chain is thrust by the driver (4) or comes to halt after a thrust. (Fig. 1)