

Title (en)
LIGHT SYSTEM WITH A MECHANICAL BLOCKING ELEMENT

Title (de)
LEUCHTENSYSTEM MIT MECHANISCHEM SPERRELEMENT

Title (fr)
SYSTÈME D'ÉCLAIRAGE À ÉLÉMENT DE VERROUILLAGE MÉCANIQUE

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Abstract (en)
[origin: WO2022167401A1] The invention relates to a light system (1) having: a supporting rail (2) which has an elongate supporting profile (20), which delimits an inner space (I) and has a longitudinal extent (L), and a current-conducting profile (21), which is arranged extending longitudinally in the inner space (I) and has wires (22) for power supply and/or transmission of digital control commands, the supporting profile (20) being formed at least by two side walls (24, 25), which delimit an elongate opening (23) in a laterally opposing manner, and a rear wall (26), which connects the side walls (24, 25); and a component (3) with a coupling element (30), which can be introduced via the opening (23) into the inner space (I) of the supporting profile (20) and can be operated there so that, at the same time, a contacting element (31) of the coupling element (30) electrically contacts the wires (22) of the current-conducting profile (21) for electrical connection of the component (3), and a locking element (32) of the coupling element (30) interacts with locking sections (202), provided on both sides of the opening (23), of the side walls (24, 25) of the supporting profile (20) for mechanical coupling of the component (3) to the supporting profile (20), wherein the component (3) also has a blocking element (4) with blocking sections (41, 42), which are arranged adjacently to in each case one of the side walls (24, 25) on an outer side (242, 252) facing away from the inner space (I) when the coupling element (30) is inserted, such that the blocking sections (41, 42) prevent the mechanical coupling from coming undone by migration of the respective side wall (24, 25) away from the inner space (I) when the coupling element (30) is operated.

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