Claims

1. A telescopic actuator (1) for executing a linear movement, wherein a motor (3) is provided which applies a drive torque to a screw drive, such that a threaded spindle can be linearly extended or retracted with respect to a screw nut, characterized in that the telescopic actuator (1) has four screw drives (K1, K2, K3, K4) and extends or retracts on both sides in the axial direction (A), wherein the total extension path (GA) is composed of four partial extension paths (G1, G2, G3, G4).

2. The telescopic actuator according to claim 1, characterized in that at least one screw drive is designed as a ball screw drive (K1, K2, K3, K4) with a ball screw spindle (15, 22, 25, 31) and a ball screw nut (13, 21, 23, 30), and/or in that at least one screw drive is designed as a roller screw drive with a roller screw spindle and a roller screw nut.

3. The telescopic actuator according to claim 1 or 2, characterized in that the axial length (LG) of the fully extended telescopic actuator (1) is greater than or equal to 2.5 times, particularly greater than or equal to 2.8 times, preferably greater than or equal to 2.9 times, and particularly preferably greater than or equal to 3 times the axial length (LE) of the fully retracted telescopic actuator (1).

4. The telescopic actuator according to one of claims 1 through 3, characterized in that the division of the total extension path during the extension movement is determined by the pitch of each screw