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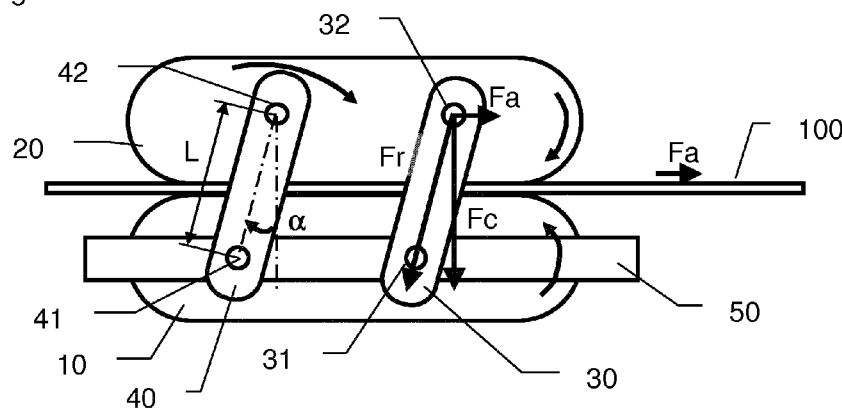
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(54) Title: LINEAR DRIVING DEVICE WITH LOAD DEPENDENT CLAMPING CAPABILITY

Fig. 1



(57) Abstract: A linear driving device with load dependent clamping capability, said device comprising: • - a reference driving element (10 + 50) and • - a moveable driving element (20), • the linear driving device being arranged for driving an elongated element (100) located between the reference driving element and the moveable driving element powered to apply an axial force (Fa) and a clamping force (Fc) to the elongated element (100) to drive it, • whereby • - the linear driving device comprises at least one pivoting lever (30; 40) attached to the reference driving element (10 + 50) by a first rotation axis (31; 41) and to the moveable driving element (20) by a second rotation axis (32; 42), • - when the elongated element (100) is driven, the at least one pivoting lever (30; 40) is arranged so that the magnitude of the clamping force (Fc) depends on a predetermined angle (α) defined between a perpendicular direction to the axial force (Fa) and a reaction force passing through the first and second rotations axes.