CLAIMS

1. Supporting system (100) for support of a heating element (150, 151) comprising
   a supporting member (111), the supporting member having a main extension direction extending substantially in a height direction and a proximal (113) and distal end (112) whereas the proximal end (113) is adapted to support the heating element (150, 151), and
   a base member (121), the base member being connected via at least one hinge (131) to a distal portion of the supporting member (111) which distal portion is arranged distal from the proximal end (113),
   whereas the supporting member (111) is pivotable relative to the base member (121) about a rotation axis (132) which is oriented parallel to a direction that is orthogonal to the height direction of the supporting member.

2. Supporting system according to claim 1, characterized in that the rotation axis (132) is arranged spacedly from the center of mass of the supporting member.

3. Supporting system according to claim 1 or 2, characterized in that the rotation axis (132) is arranged spacedly from the center of mass of the supporting member along the height direction and/or a moveable direction of the supporting member pivotable relative to the base member.

4. Supporting system according to claim 1 to 3, characterized in that the base member extends at least partially from the distal portion in the height direction towards the proximal end (113).

5. Supporting system according to claim 1 to 4, characterized in that the supporting member (111) comprises two or more bars (111a, 111b) which are arranged in a substantially parallel orientation.

6. Supporting system according to claim 1 to 5, characterized in that the material of the supporting member and/or the base member comprises at least 90 % by weight of a refractory metal.

7. Supporting system according to claim 6, characterized in that the refractory metal is selected from tungsten, molybdenum, tantalum, rhenium, niobium and alloys thereof.

8. Heating system comprising at least one heating element (150, 151) and at least one supporting system (100) according to claim 1 to 7.

9. Heating system according to claim 8, characterized in that the supporting systems (100) are oriented such that a movable direction of the supporting member pivotable relative to the base member of the different supporting systems (100) originate from a common central point.

10. Heating system according to claim 8 to 9, characterized in that the heating system further comprises a heat shield system (160) arranged below the heating element (150, 151) and above the hinge (131) and the base member (121) and which have openings through which the supporting member of the supporting systems (100) can extend.