

DEVICE FOR ELECTRICALLY BRAKING A DRIVE SHAFT**ABSTRACT**

5 The electrical braking device according to the present invention includes a braking
element (2) which is formed, on the one hand, by electric jaws (7) and at least one
sliding block (8) mounted in the proximity of the brake disk (3) in such a way that
the latter passes at least partially through the electric jaws (7) and sliding block
10 (8), and, on the other hand, by means (4) for fastening the electric jaws (7) and
the sliding block (8) to the fixed frame (6) while providing the jaws and block with
degrees of freedom obtained by the combination of different connections of the
“flat plane contact” (FC), “point contact” (PC) and “annular linear contact” (AC)
types, in order to compensate for the misalignments and defects in the shape of
15 the brake disk (3) when the latter is driven in rotation.

20 [FIGURE 1]