

ABSTRACT**RESISTANCE SPOT WELDING ELECTRODE AND USE OF THE ELECTRODE**

The invention relates to a resistance spot welding electrode for dissimilar welded lap joints in crash-relevant structural components of automotive industry made of high-strength material. The resistance spot welding electrode is provided with a cap (1,6,11,16,21) having in that end of the electrode which is during welding in contact with materials to be welded together, a non-axially symmetrical contact area in order to achieve between materials a weld nugget with an essentially similar non-axially symmetrical shape.

FIG. 1