

ELECTRICAL CONTACTS FOR VACUUM CIRCUIT BREAKERS AND METHODS OF
MANUFACTURING THE SAME

5 ABSTRACT OF THE DISCLOSURE

An electrical contact used herein comprises chromium; one of copper and silver; and a carbide, in which the electrical contact comprises a matrix and chromium, the matrix phase mainly comprising one of copper and silver, and the chromium being
10 surrounded by the carbide and dispersed in the matrix. The electrical contact contains 1 to 30 percent by weight of a carbide, with the balance being copper. Another electrical contact contains chromium, copper, and a carbide and has a weight ratio of chromium to the carbide within the range of 1:1.5 to 1:50.

15

Figure 1