

ABSTRACT

MOBILE TELEPHONE WITH AN ARTICULATED COVER AND
WITH ROTARY CONTACTS

The mobile telephone comprises a housing (1) containing an electrical circuit (2) and carrying a cover (3) fastened to this housing in an articulated manner and comprising a microphone, rotary contacts being incorporated in one of the two joints connecting the cover (3) to the housing (1), in order to make electrical connections between the electrical circuit (2) and the microphone.

According to the invention, one of the joints (4a, 4b) articulating the housing on the cover comprises three contacts integral with the housing, namely two lateral contacts (5a) and (5b) and a central contact (5c), each comprising a contact arm (7a), (7b) and (7c), the said central contact (5c) bearing permanently on a conductive element (9), whilst the ends of the two lateral contact arms (7a) and (7b) bear elastically on two conductive plates (10) separated by an insulating material (12) and incorporated in the part (4b) of the joint of the cover (3), in such a way that, when the cover is rotated, the said ends of the two contact arms (7a), (7c) ensure that the electrical connection between the electrical circuit (2) and the microphone is switched.

Figure 1