

ABSTRACT

DEVICE FOR MANAGING THE MOVEMENTS OF A ROBOT, AND ASSOCIATED TREATMENT ROBOT

5

The invention relates to a device for managing the movements of a robot configured to treat a surface, said device including:

- acquisition means (14) for acquiring a three-dimensional representation (Re) of said surface to be treated; and
- 10 – determination means for determining a sequence of movements on the basis of said three-dimensional representation (Re) of said surface to be treated;
- said determination means comprising at least one three-dimensional generic model (m1-m3) for which a plurality of sequences of movements (Tx) are known;
- said device including adjustment means (18, 23) for adjusting said generic
- 15 model (m1-m3) with said three-dimensional representation (Re) of said surface to be treated that are able to deform said generic model (m1-m3) and known sequences of movements (Tx) so as to correspond to said three-dimensional representation (Re) of said surface to be treated.

20 (Fig. 1)