

Title (en)

Automatic machine for the cleaning especially of the extremities of human limbs

Title (de)

Automatische Maschine zur Reinigung insbesondere der Extremitäten von menschlichen Gliedern

Title (fr)

Machine automatique pour le nettoyage, en particulier des extrémités des membres humains

Publication

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Application

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Priority

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Abstract (en)

This invention refers to an automatic cleaning machine characterized by a water-thermo-electrical plant or equipment which performs the washing function, by an electromechanical plant which carries out the contemporary and concurrent function of scrubbing. This machine is equipped with an electric motor (16) supplied with a shaft with a motive pulley, (17) which, through a transmission belt (19) which is connected to it, engages the actuating pulleys (20,21) which are linked to the extremities of a series of shafts (22,23,24,25). In practice, both the actuating pulleys (20,21) and the belt (19) are located on the external lateral side of the body of the washing tank (18), so that there is a complete separation between the area which contains the liquid and the pulleys (20,21) and belt (19) themselves, since the usual waterproof seals are placed in correspondence to all the shafts. All the axes rotate on waterproof ball bearings, which are blocked laterally on both sides of the body of the washing tank (18). On the corresponding axes of the pulleys (21) three more pulleys are present which, through the same number of transmission belts, transmit the rotatory movement to the driven pulleys (20,21) and to their relevant shafts (22,23,24 and 25), which activate cleaning elements in the shape of plates (30 and 31) and cleaning elements in the shape of conveyor belts (28 and 29). The axis rotated by the driven pulley (20) placed in the washing tank in correspondence to the wall opposite to the access wall, converts, through a mechanism present in (26), the rotary movement, transmitted by the motor (16), into an alternating horizontal movement and into an up and down transversal movement and viceversa so that the cleaning element (27), which is in the shape of a rectangular concave brush, allows the complete cleaning of the extremities, of the fingers, as well as the nails, of one's hand. <IMAGE>

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IPC 8 full level

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