

Title (en)

Machine for realizing mechanical radiators, particularly those for motor vehicles.

Title (de)

Maschine zum Herstellen von Wärmeaustauschern, insbesondere für Kraftfahrzeuge.

Title (fr)

Machine pour réaliser des radiateurs mécaniques, en particulier pour des véhicules à moteur.

Publication

EP 0411672 A2 19910206 (EN)

Application

EP 90115045 A 19900806

Priority

IT 8414889 A 19890804

Abstract (en)

A machine for realizing mechanical radiators, particularly those for motor vehicles, including positioning and support means for the radiators to be treated and a plurality of rods provided with an expansion element at one end and associated with means for their movement along the tubes of said radiators, characterized by comprising: - a loading table (1) removably housing a radiator (2) in a blocked condition during the expansion treatment and having the walls in contact with the ends of said tubes (4) provided with openings facing them, for the passage of said rods (10), - vertically mobile means (17), for holding the expansion elements (11) in the correct reciprocal operative position, - stationary means (16) placed between the loading table (1) and said holding means (17) for centering and guiding said rods (10) in the correct reciprocal operative position, and - a device (12) for the disengageable hooking of the ends of the rods (10) not provided with the expansion element (11) and making traction on it, said device (12) being placed on the part of the loading table (1) opposite to that in which said stationary centering means (16) and said mobile holding means (17) are.

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