

Title (en)

Machine for the expansion of the tubes of heat exchanger assemblies of the finned type

Title (de)

Maschine zur Ausweitung der Rohre von Wärmeaustauschbatterien vom Rippenrohrtyp

Title (fr)

Machine pour la dilatation des tubes de batterie d'échange thermique du type aileté

Publication

EP 0783929 A1 19970716 (FR)

Application

EP 96420284 A 19960828

Priority

FR 9510320 A 19950829

Abstract (en)

A movable head (3) includes spreader shafts (27), guide carriages (4), a fixed end block (5) and a drive (6-8). A cylinder (10) of polygonal cross-section is attached to the head, with at least some of its faces having attachment points of different configurations for the rear ends of the spreader shafts. The attachment points are formed by perforations, e.g. of keyhole shape, in the cylinder surface which cooperate with a mobile plate with similar perforations. The rear ends of the spreader shafts include a narrowed portion close to the ends, defining an end head which engages in the keyhole-shaped perforations for selective fastening.

Abstract (fr)

En vue de faciliter l'adaptation de la machine à des batteries ailetées (B) dont les tubes présentent des géométries différentes, la tête mobile (3) est équipée d'un barillet horizontal à section polygonale. Certaines au moins des faces de ce barillet comportent des moyens pour la fixation rapide des tiges de dilatation (27) suivant des géométries différentes. Les chariots de guidage (4) et le nez fixe (5) sont munis de panneaux perforés (31) prévus amovibles. <IMAGE>

IPC 1-7

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IPC 8 full level

B21D 53/08 (2006.01)

CPC (source: EP)

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Citation (search report)

- [AD] US 3487523 A 19700106 - AMES WARD A
- [AD] FR 2369033 A1 19780526 - CHAUSSON USINES SA [FR]
- [AD] US 4738130 A 19880419 - HOMMA KENSAKU [JP]

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