

Title (en)

DEVICE FOR THE PRODUCTION OF A COLLECTING TUBE SECTION BY POWDER METALLURGY

Publication

**EP 0298340 B1 19901212 (DE)**

Application

**EP 88110264 A 19880628**

Priority

DE 3722329 A 19870707

Abstract (en)

[origin: JPS6417807A] PURPOSE: To easily, rapidly and economically manufacturing a heat exchange block by piercing a pin into a cut part of a half-split ring, passing the pin through a hollow chamber, and supporting a formed tube. CONSTITUTION: A half-split ring 5 is integrated with a half-split outer shell body by tightening devices 8a, 8b. Semi-cylindrical inner shell bodies 10a, 10b having cut parts 11a, 11b arranged in a cut part 6 of the half-split ring 5 are provided inside the outer shell body. A hollow chamber 9 formed between the half-split outer shell body and the inner shell body 10a forms a die cavity of one tubular wall section of a header pipe. The sintering powder is filled in the hollow chamber 9 through a charging boat. A semi-cylindrical body 12 on which a pin 13 is mounted, is provided on the inner shell bodies 10a, 10b.

IPC 1-7

**B22F 5/00**; **B22F 7/08**; **F28F 1/00**

IPC 8 full level

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CPC (source: EP US)

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