

Title (en)

Tube bundle for boiler or heat exchanger and process for making same

Title (de)

Rohrbündel für Heizkessel - Wärmetauscher sowie Verfahren zur Herstellung desselben

Title (fr)

Faisceau tubulaire pour chaudière ou échangeur de chaleur et son procédé de fabrication

Publication

EP 0819909 A3 19990609 (DE)

Application

EP 97111401 A 19970705

Priority

DE 19628443 A 19960715

Abstract (en)

[origin: EP0819909A2] The bundle comprises metal pipes arranged parallel to one another with at least one one-piece flange-type collar (3) at one of their ends. The collars are arranged on a plate running at right-angles to the longitudinal axis of the pipe (2). The pipes in the area of the edges (5) of the collars (7) are welded to one another. The collars have a polygonal contour and at their edges are welded to one another. The polygon is equilateral. The pipes are bundled so that the edges of the collars locate on one another without gaps. Alternatively, they can have gaps between them in which plates or tubes (6) with corresponding widened formations and-or collars are welded. As an alternative, the collars can have a round contour.

IPC 1-7

F28F 9/02; F28F 1/00; F28D 7/00

IPC 8 full level

F28F 9/02 (2006.01)

CPC (source: EP)

F28F 9/0221 (2013.01)

Citation (search report)

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- [Y] FR 377317 A 19070904 - HENRI DE BEAULAINCOURT [FR]
- [A] FR 368768 A 19061213 - LUCIEN POUSSET [FR], et al
- [A] DE 561957 C 19321020 - EMILE VALET
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Cited by

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Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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