

Title (en)

Heat exchanger structure particularly for nuclear plants.

Title (de)

Wärmetauscher-Struktur, insbesondere für Kernanlagen.

Title (fr)

Structure d'échangeur de chaleur, particulièrement pour centrales nucléaires.

Publication

EP 0110363 A2 19840613 (EN)

Application

EP 83111880 A 19831128

Priority

IT 2460082 A 19821203

Abstract (en)

To reduce costs both through material and labour savings of a nuclear plant heat exchanger, the latter comprises two quadrangular cross-section headers (1, 2) coupled by a yoke-like tube nest (3) which is cold pre-deformed in such a way as to minimize the primary stresses of thermal origin developed during the operation of the exchanger.

IPC 1-7

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

IPC 8 full level

F28D 1/047 (2006.01); **F28D 7/06** (2006.01); **F28F 9/013** (2006.01); **F28F 9/02** (2006.01); **F28F 9/18** (2006.01)

CPC (source: EP)

F28D 1/047 (2013.01); **F28D 7/06** (2013.01); **F28F 9/0131** (2013.01); **F28F 9/02** (2013.01); **F28F 9/18** (2013.01); **F28D 2021/0054** (2013.01)

Cited by

FR2566108A1; EP0165840A1; DE4310538A1

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

EP 0110363 A2 19840613; **EP 0110363 A3 19841219**; IT 1154628 B 19870121; IT 8224600 A0 19821203; IT 8224600 A1 19840603

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