

Title (en)

Transfer line exchanger for ethylene production plants

Title (de)

Wärmetauscher für Ethylenanlage

Title (fr)

Echangeur de chaleur pour installation de production d'éthylène

Publication

EP 1331465 A2 20030730 (EN)

Application

EP 02028251 A 20021216

Priority

IT MI20020118 A 20020124

Abstract (en)

A tube nest heat exchanger has a shell under pressure (11) and an inlet tube plate (12) separating the inside of the shell from an inlet manifold (13) of the fluid to be cooled. The tube plate (12) has passages (14) in it for communication with the interior of the tubes (15) of the tube nest and has on the manifold side a hardening layer (16) formed of a weld deposit and on the opposite side around each passage a projecting neck (17) on which is welded at a distance from the plate surface a corresponding tube of the nest.

IPC 1-7

F28F 9/02; **F28F 9/18**; **F28F 19/06**

IPC 8 full level

F28F 9/02 (2006.01); **F28F 9/18** (2006.01); **F28F 19/06** (2006.01)

CPC (source: EP)

F28F 9/0229 (2013.01); **F28F 9/182** (2013.01); **F28F 19/06** (2013.01)

Cited by

US11143465B2; IT201800004154A1; CN111526938A; KR20190125435A; RU2720088C1; WO2016170486A1; EP3392326A1; WO2018192999A1; EP3376150A1; WO2018166868A1; EP4134614A1; WO2023017060A1

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EP 1331465 A2 20030730; **EP 1331465 A3 20060705**; **EP 1331465 B1 20120201**; **EP 1331465 B9 20120801**; AT E544045 T1 20120215; IT MI20020118 A0 20020124; IT MI20020118 A1 20030724

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