

Title (en)
Device for reducing clogging of a shell-and-tube heat exchanger

Title (de)
Vorrichtung zur Verringerung von Verschmutzungen eines Röhrenwärmetauschers

Title (fr)
Dispositif reducteur d'encrassement d'un échangeur thermique tubulaire

Publication
EP 1227292 A3 20050928 (FR)

Application
EP 02290183 A 20020125

Priority
FR 0101218 A 20010130

Abstract (en)
[origin: EP1227292A2] A device for reducing fouling in the tubes of a tubular heat exchanger, incorporates a turbulence generator element lodged in one of the tubes and is made from a metal alloy with a nickel content greater than 50 % by wt. and incorporating at least one metal chosen from the group made up of chromium and molybdenum to improve its corrosion resistance when in contact with a hydrocarbon.

IPC 1-7
F28F 13/12; **F28G 1/06**; **F28F 19/00**; **F28F 21/08**

IPC 8 full level
F28F 13/12 (2006.01); **F28F 21/08** (2006.01); **F28G 1/06** (2006.01)

CPC (source: EP US)
C22C 19/055 (2013.01 - EP US); **F28F 13/125** (2013.01 - EP US); **F28F 19/00** (2013.01 - EP US); **F28F 21/087** (2013.01 - EP US); **F28G 1/06** (2013.01 - EP US); **F28D 2021/0059** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)
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EP 1227292 A2 20020731; **EP 1227292 A3 20050928**; **EP 1227292 B1 20150311**; ES 2537292 T3 20150605; FR 2820197 A1 20020802; FR 2820197 B1 20060106; JP 2002243393 A 20020828; JP 3942903 B2 20070711; US 2002100580 A1 20020801; US 6782943 B2 20040831

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