

Title (en)
Static mixer-heat exchanger

Title (de)
Statischer Mixer /Wärmetauscher

Title (fr)
Mélangeur statique /échangeur de chaleur

Publication
EP 0884549 A2 19981216 (EN)

Application
EP 98304556 A 19980609

Priority
US 87231897 A 19970610

Abstract (en)
A device for effecting transfer from a first fluid medium to a second fluid medium and for enhancing mixing and uniform distribution of the second fluid medium within the confines of a conduit. The device includes providing a core pipe (31,47,55) for receiving the first fluid medium and a series of helically wound tubes (32-38,48,54) in fluid communication with the core pipe (31,47,55) along the longitudinal axis of the conduit. The second fluid passes within the conduit and is mixed by virtue of the static mixing effect of the helically wound tubes (32-38,48,54) and engages in heat transfer as a result of the intimate contact between the second fluid, the core pipe and the helically wound tubes. <IMAGE>

IPC 1-7
F28D 7/02; B01F 15/06

IPC 8 full level
F28D 7/02 (2006.01)

CPC (source: EP)
F28D 7/024 (2013.01); **F28D 2021/0052** (2013.01)

Cited by
CN103542742A; CN115218557A; EP2629039A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0884549 A2 19981216; **EP 0884549 A3 19990519**

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