

Title (en)

Installation for managing solid elements circulating in a heat exchanger

Title (de)

Verwaltungsvorrichtung für in einem Wärmetauscher zirkulierenden Festkörper

Title (fr)

Installation de gestion des éléments solides mis en circulation dans un échangeur de chaleur

Publication

EP 1098158 B1 20040506 (FR)

Application

EP 00403002 A 20001027

Priority

FR 9913813 A 19991104

Abstract (en)

[origin: EP1098158A1] The installation for the control of cleaning solids circulating in a heat exchanger (10) comprises a solid interception means (17) interposed in the exchanger outlet pipe (12). A pump (24) produces a counter flow through the interception means and its suction recovers the cleaning solids held by it. Return piping (28) recycles a return flow containing solid cleaning elements to the exchanger inlet pipe (11). A concentration device, comprising a pivoting grille (35), divides the return flow into two parts (P1,P2). The first part contains all the solid cleaning elements and the second part contains no cleaning solids.

IPC 1-7

F28G 1/12

IPC 8 full level

F28G 1/12 (2006.01)

CPC (source: EP US)

F28G 1/12 (2013.01 - EP US)

Cited by

FR3101411A1; FR2824629A1; EP1256773A3; US6637504B2

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 1098158 A1 20010509; EP 1098158 B1 20040506; AT E266185 T1 20040515; DE 60010410 D1 20040609; DE 60010410 T2 20050519; ES 2220367 T3 20041216; FR 2800864 A1 20010511; FR 2800864 B1 20020322; JP 2001165594 A 20010622; US 6530427 B1 20030311

DOCDB simple family (application)

EP 00403002 A 20001027; AT 00403002 T 20001027; DE 60010410 T 20001027; ES 00403002 T 20001027; FR 9913813 A 19991104; JP 2000336961 A 20001106; US 70589300 A 20001106