

Title (en)

Pipe segment with a feeding port for an additiv

Title (de)

Rohrstück mit einer Einspeisestelle für ein Additiv

Title (fr)

Segment de tuyau avec un post de alimentation pour un additif

Publication

EP 1302236 B1 20070214 (DE)

Application

EP 02405807 A 20020917

Priority

- EP 02405807 A 20020917
- EP 01811015 A 20011016

Abstract (en)

[origin: EP1302236A1] Tubular piece (1) comprises injection sites (2) for an additive (20); a tubular wall (11); and a stationary mixing element (12). The injection sites introduce the additive into a flowing low viscosity fluid. The mixing element comprises a pair of blades (5a, 5b) and a third blade (6). The blade pair is formed in the central plane (15) extending in the flow direction. The third blade has a rear side extending from a base on the tubular wall to an end lying downstream. <??>Preferred Features: Each injection site comprises a support and a nozzle channel, especially a bore, leading through the tubular wall. The angle of the third blade is 30-60 degrees , preferably 40-50 degrees . The blade pair is connected to a flat ring (7) between a flange (31) of a pipe (3) and the inlet side (13).

IPC 8 full level

B01F 5/06 (2006.01); **B01F 5/04** (2006.01)

CPC (source: EP US)

B01F 25/3141 (2022.01 - EP); **B01F 25/4315** (2022.01 - EP); **B01F 25/4316** (2022.01 - EP US); **B01F 25/431974** (2022.01 - EP)

Cited by

ITBO20110533A1; US2013176814A1; US2017197189A1; US9975094B2; US9403133B2; US9963354B2; WO2015003873A1; WO2015003871A1; US10280088B2; US11242259B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1302236 A1 20030416; EP 1302236 B1 20070214

DOCDB simple family (application)

EP 02405807 A 20020917