

Title (en)
Bend for a fluid duct

Title (de)
Rohrbogen für Fluidkanäle

Title (fr)
Coude pour une conduite de fluide

Publication
EP 1788259 B2 20180919 (DE)

Application
EP 05024982 A 20051116

Priority
EP 05024982 A 20051116

Abstract (en)
[origin: EP1788259A1] The elbow (10) has guiding elements (26,27), which are led parallel to each other and to the curved inner walls (29) and external walls (25). The guiding elements with a manifold of a flat channel to a circular channel, exchanges from a flat channel to a circular channel in a straight piece direction flat channel. If required, the external guiding elements have another inner guiding element in elliptical form. The width of circular channel connection is proportionate to flat duct connection.

IPC 8 full level
F15D 1/04 (2006.01)

CPC (source: EP)
F15D 1/04 (2013.01)

Citation (opposition)
Opponent :

- DE 10227689 A1 20040108 - INA SCHAEFFLER KG [DE]
- DE 2720451 A1 19771124 - SAUNIER DUVAL
- EP 0765974 A1 19970402 - EMHART INC [US]
- EP 1570926 A1 20050907 - STRUB MANFRED [CH]
- DE 3807688 C2 19950413 - SEVERYNS HORST [DE], et al
- DE 913600 C 19540618 - ARMCO INT CORP

Cited by
CN102155478A; EP3457014A1; US11841162B2; EP4092347A1; EP4067753A2; US11493057B2; US11867196B2; CZ308916B6; EP4092340A1; JP2022551021A; WO2021229554A1; WO2024051608A1; US11933333B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1788259 A1 20070523; EP 1788259 B1 20150722; EP 1788259 B2 20180919; AT E460588 T1 20100315; DE 502005009215 D1 20100422; EP 1923576 A1 20080521; EP 1923576 B1 20100310; ES 2343388 T3 20100729; ES 2543590 T3 20150820; ES 2543590 T5 20181102

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EP 05024982 A 20051116; AT 08004098 T 20051116; DE 502005009215 T 20051116; EP 08004098 A 20051116; ES 05024982 T 20051116; ES 08004098 T 20051116