

Title (en)  
FLUID FLOW DEVICES

Title (de)  
DURCHFLUSSVORRICHTUNGEN

Title (fr)  
DISPOSITIFS D'ECOULEMENT FLUIDIQUE

Publication  
**EP 1922505 A2 20080521 (EN)**

Application  
**EP 06801077 A 20060809**

Priority  
• US 2006031096 W 20060809  
• US 70684605 P 20050809

Abstract (en)  
[origin: US2007034273A1] The fluid flow device includes a first metal component having a hardened engaging surface or portion and a second metal component that is softer than the hardened portion. The second metal component is assembled with the first component such that the hardened surface engages and plastically deforms the second metal component to provide a seal.

IPC 8 full level  
**F16L 19/02** (2006.01)

CPC (source: EP KR US)  
**F16D 33/18** (2013.01 - KR); **F16J 15/062** (2013.01 - EP US); **F16L 19/02** (2013.01 - KR); **F16L 19/0212** (2013.01 - EP US);  
**F24H 9/12** (2013.01 - KR)

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)  
**US 2007034273 A1 20070215**; AU 2006279976 A1 20070222; CA 2622155 A1 20070222; CN 101283212 A 20081008;  
EP 1922505 A2 20080521; IL 189399 A0 20080605; JP 2009505011 A 20090205; KR 20080045699 A 20080523; WO 2007021779 A2 20070222;  
WO 2007021779 A3 20070614

DOCDB simple family (application)  
**US 50155006 A 20060809**; AU 2006279976 A 20060809; CA 2622155 A 20060809; CN 200680037329 A 20060809; EP 06801077 A 20060809;  
IL 18939908 A 20080210; JP 2008526169 A 20060809; KR 20087005715 A 20080307; US 2006031096 W 20060809