

Title (en)

Moineau pump

Title (de)

Exzeuterschneckenpumpe

Title (fr)

Pompe à engrenages hélicoidaux

Publication

**EP 0844397 B1 20030514 (FR)**

Application

**EP 97402779 A 19971119**

Priority

FR 9614227 A 19961121

Abstract (en)

[origin: EP0844397A1] Gear pump or Moineau pump has two helicoidal gears inside each other. The internal gear is the rotor and has a one tooth less than the external gear which is fixed (the stator). The rotor and stator are made of materials with a thermal expansion coefficient such that the play between the two is approximately constant over a temperature range of between 15 and 300 degrees C.

IPC 1-7

**F04C 2/107**

IPC 8 full level

**F04C 2/107** (2006.01)

CPC (source: EP US)

**F04C 2/1071** (2013.01 - EP US); **F05C 2251/044** (2013.01 - EP US)

Cited by

DE102011086013A1; DE102008036511B4; DE102011086008B4; DE102011086014B4; US8523545B2; DE102008036511A1;  
DE102011086008A1; DE102011086014A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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CA 2221487 C 20040928; DE 69721943 D1 20030618; DE 69721943 T2 20040219; ES 2198539 T3 20040201; FR 2756018 A1 19980522;  
FR 2756018 B1 19990122; US 6082980 A 20000704

DOCDB simple family (application)

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ES 97402779 T 19971119; FR 9614227 A 19961121; US 97249997 A 19971118