

Title (en)

Volute casing pump

Title (de)

Spiralgehäusepumpe

Title (fr)

Pompe à carter en volute

Publication

**EP 0902192 B1 20030611 (DE)**

Application

**EP 98115674 A 19980820**

Priority

DE 19740590 A 19970915

Abstract (en)

[origin: EP0902192A2] A housing for a centrifugal pump has a double spiral shape formed by two or more equal length ribs (8,9) around the impeller. The ribs are separated by gaps (10,11) between the ribs and between the last rib and the edge (4) of the outlet duct. The leading edge (12,13) of a rib is at a smaller radius than the trailing edge of the preceding rib. The angle subtended by a rib is between 0.7 and 1.1 times 360 degrees divided by twice the rib count.

IPC 1-7

**F04D 29/44**

IPC 8 full level

**F04D 29/44** (2006.01)

CPC (source: EP US)

**F04D 29/445** (2013.01 - EP US); **F04D 29/448** (2013.01 - EP US)

Cited by

CN102869889A; GB2416003A

Designated contracting state (EPC)

AT DE FR GB IT NL

DOCDB simple family (publication)

**EP 0902192 A2 19990317; EP 0902192 A3 19990714; EP 0902192 B1 20030611**; AT E242845 T1 20030615; BR 9803538 A 19991123; DE 19740590 A1 19990318; DE 59808677 D1 20030717; US 6146095 A 20001114

DOCDB simple family (application)

**EP 98115674 A 19980820**; AT 98115674 T 19980820; BR 9803538 A 19980902; DE 19740590 A 19970915; DE 59808677 T 19980820; US 15323398 A 19980915