

Title (en)

Volute casing pump

Title (de)

Spiralgehäusepumpe

Title (fr)

Pompe à carter en volute

Publication

EP 0902192 A2 19990317 (DE)

Application

EP 98115674 A 19980820

Priority

DE 19740590 A 19970915

Abstract (en)

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.

Abstract (de)

Kreiselpumpe mit einem Gehäuse nach Art einer Doppelspirale und mit darin angeordneten, als Trennwand ausgebildeten Rippe, wobei die Rippe mehrteilig mit zwischen den Rippenteilen (8,9) befindlichen Spaltöffnungen (10) ausgebildet sind. <IMAGE>

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)

Citation (applicant)

- US 2955540 A 19601011 - PAWLICKI STEFAN S
- US 3289598 A 19661206 - WILLIAM BUSE FREDERIC, et al
- KSB-KREISELPUMPENLEXIKON 3, 1 January 1989 (1989-01-01), pages 242-243

Cited by

GB2416003A; CN102869889A

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