

Title (en)

AXIAL SEALING MECHANISM FOR SCROLL TYPE FLUID DISPLACEMENT APPARATUS

Publication

EP 0065261 B1 19850814 (EN)

Application

EP 82104075 A 19820511

Priority

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Abstract (en)

[origin: EP0065261A2] In a scroll type fluid displacement apparatus having an orbiting scroll member (27) and a fixed scroll member (26) which form at least one pair of outer fluid pockets and a central pocket therebetween for fluid compression, the axial end surface of each spiral element (262, 272) of the scroll member has a groove (37) along the spiral curve. A seal element (38) is fitted in the groove (37). The axial dimension of the seal element (38) is formed greater than the depth of groove (37). This seal element (37) is usually in contact with the facing end plate of the scroll member without any axial force urging means to secure the sealing of the fluid pockets. Also, the gap (C) between the seal element (38) and the groove (37) which defines the channel of the fluid leakage, is reduced.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

CN1056215C; US4795324A; DE3317696A1; US4627799A; US4561832A; EP0165714A3; US4655697A; US4730375A; EP0227249A1; US4722676A; AU587647B2; US5642970A; US5702241A; DE3614614A1; US4740143A; US4824343A; EP0840012A1; US5833443A; US5873711A; EP0189650A3; US4701115A; EP0118900B1

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