Title (en)

SCROLL MACHINE

Publication

EP 0318189 B1 19930331 (EN)

Application

EP 88310678 A 19881111

Priority

US 12386687 A 19871123

Abstract (en)

[origin: EP0318189A2] A scroll compressor is disclosed in which either or both of the spiral wraps (24,30) of the scroll members are reduced in thickness (i.e., cut away) (A, E) adjacent to the inlet port (34) defining the starting point the vanes would theoretically sealingly engage one another to initiate compression. Additionally, either or both of the spiral wraps of the scroll members may be reduced in thickness (J-K, L-M) (i.e. cut away) adjacent to the discharge port where the vanes separate and the compression chambers defined thereby communicate with the discharge port. Provision of a smooth transition (C-B) at the points of engagement cooperates to reduce noise and wear during operation of the compressor.

IPC 1-7

F01C 1/02

IPC 8 full level

F04C 18/02 (2006.01); **F01C 1/02** (2006.01)

CPC (source: EP KR)

F01C 1/02 (2013.01 - KR); **F01C 1/0246** (2013.01 - EP); F04C 2250/102 (2013.01 - EP); F05B 2250/502 (2013.01 - EP)

Cited by

US6213741B1; DE4092107T; EP2466068A4; EP0601959A1; EP2740938A4; US5395222A; EP0907024A1; GB2230053A; GB2230053B; US6257851B1

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DOCDB simple family (publication)

EP 0318189 A2 19890531; **EP 0318189 A3 19891227**; **EP 0318189 B1 19930331**; AU 2574388 A 19890525; AU 611970 B2 19910627; BR 8806152 A 19890815; CN 1012200 B 19910327; CN 1034413 A 19890802; DE 3879887 D1 19930506; DE 3879887 T2 19930708; ES 2034944 T1 19930416; ES 2034944 T3 19931001; IN 170806 B 19920523; JP H01163401 A 19890627; JP H0656081 B2 19940727; KR 890008478 A 19890710; KR 970001456 B1 19970206; MX 169843 B 19930728

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EP 88310678 A 19881111; AU 2574388 A 19881121; BR 8806152 A 19881123; CN 88108049 A 19881122; DE 3879887 T 19881111; ES 88310678 T 19881111; IN 959CA1988 A 19881118; JP 29585888 A 19881122; KR 880015376 A 19881122; MX 1387888 A 19881121