

Title (en)
ROLLING PISTON COMPRESSOR

Publication
EP 0212570 A3 19880810 (DE)

Application
EP 86111223 A 19860813

Priority
DE 3530436 A 19850826

Abstract (en)
[origin: US4743182A] A rotating piston compressor includes a cylinder having a first given diameter, a thin-walled, radially-resilient piston with a circular cross section and a second given diameter being disposed in the piston, a radial support for the piston in the form of a rotation-symmetrical thin-walled shell formed of permanently elastic material having one end connected to the piston and another end, a body with a circular periphery holding the other end of the shell, and a drive shaft connected to the body for moving the piston with an eccentricity being larger than one half of the difference between the first and second given diameters.

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F04C 29/00; F04C 18/356

IPC 8 full level
F01C 21/08 (2006.01); **F04C 18/356** (2006.01); **F04C 23/00** (2006.01); **F04C 28/12** (2006.01); **F04C 28/14** (2006.01); **F04C 29/00** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP KR US)
F01C 21/0827 (2013.01 - EP US); **F04C 15/00** (2013.01 - KR); **F04C 18/3564** (2013.01 - EP US); **F04C 28/125** (2013.01 - EP US); **F04C 28/14** (2013.01 - EP US); **F04C 29/005** (2013.01 - EP US); **F04C 29/0057** (2013.01 - EP US); **F04C 29/124** (2013.01 - EP US)

Citation (search report)
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• [A] US 4507064 A 19850326 - KOCHER ERICH J [US], et al
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Designated contracting state (EPC)
AT CH DE FR GB IT LI SE

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EP 0212570 A2 19870304; EP 0212570 A3 19880810; EP 0212570 B1 19900613; AT E53636 T1 19900615; BR 8604041 A 19870630; DD 249310 A5 19870902; DE 3530436 A1 19870226; DE 3671942 D1 19900719; JP S6251786 A 19870306; KR 870002379 A 19870331; US 4743182 A 19880510; ZA 866417 B 19870429

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