

Title (en)
Scroll compressor

Title (de)
Spiralverdichter

Title (fr)
Compresseur à spirales

Publication
EP 2644892 B1 20170510 (EN)

Application
EP 13161233 A 20130327

Priority
JP 2012080299 A 20120330

Abstract (en)
[origin: EP2644892A2] A scroll compressor includes a housing (10), a fixed scroll (26), a movable scroll (28) both disposed in the housing (10), and an injection passage (52) through which medium-pressure refrigerant is introduced into a compression chamber (30B). The scroll compressor further includes a selector device (60) connecting the compression chamber (30B) to the injection passage (52) or disconnecting the compression chamber (30B) from the injection passage (52) with the change of the pressure or the temperature of the refrigerant in the suction chamber (38).

IPC 8 full level
F04C 18/02 (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP)
F04C 18/0215 (2013.01); **F04C 18/0253** (2013.01); **F04C 29/0014** (2013.01); **F04C 2240/81** (2013.01); **F04C 2270/18** (2013.01); **F04C 2270/19** (2013.01)

Cited by
EP3805564A1; CN114174681A; US11891994B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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EP 2644892 A2 20131002; EP 2644892 A3 20160302; EP 2644892 B1 20170510; JP 2013209923 A 20131010; JP 5817623 B2 20151118

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