

Title (en)
Scroll compressor

Title (de)
Spiralverdichter

Title (fr)
Compresseur à spirales

Publication
EP 1319839 B1 20050727 (EN)

Application
EP 03006365 A 19980916

Priority
• EP 98117556 A 19980916
• JP 26193397 A 19970926

Abstract (en)
[origin: EP1319838A1] A highly reliable scroll compressor with an improved oil injection mechanism having a particular composition in a particular position in a scroll compression element is disclosed. The oil injection mechanism for injecting and supplying a lubricant is provided in the vicinity of an intake position where a refrigerant gas is introduced from outside an hermetic housing into the scroll compression element via an intake pipe. The oil injection mechanism is fixed to a support frame being composed of an oil nozzle for injecting the lubricant through an oil feed passage and a valve that opens/closes an oil feed passage inlet of the oil nozzle by utilizing the elasticity of a spring. The oil injection mechanism may be fixed at other location than the support frame; it may be secured, for example, to an stationary scroll. <IMAGE>

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IPC 8 full level
F04C 29/02 (2006.01); **F04C 18/02** (2006.01); **F04C 29/00** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP)
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