

Title (en)
SCROLL COMPRESSOR

Title (de)
SPIRALVERDICHTER

Title (fr)
COMPRESSEUR À SPIRALE

Publication
EP 2236828 B1 20170802 (EN)

Application
EP 09705346 A 20090107

Priority
• JP 2009050101 W 20090107
• JP 2008018202 A 20080129

Abstract (en)
[origin: EP2236828A1] A scroll compressor equipped with an oil separation mechanism that can ensure a sufficient capacity of an oil storage chamber even if a discharge reed valve is made long and that can prevent blow-by of compressed gas from an oil ejection port towards a low-pressure side is provided. In a scroll compressor (3) in which an oil separation chamber (37) is formed by providing a discharge cover (38) on a rear surface of a fixed-scroll member (32) provided with a discharge port (32C), and an oil separation mechanism (40) is provided within the oil separation chamber (37), the oil separation mechanism (40) includes a cylindrical partition member (42) that partitions an interior of the oil separation chamber (37) into an inner-peripheral-side gas discharge chamber (43) and an outer-peripheral-side oil storage chamber (44), and a separator plate (45) that closes an upper surface of the partition member (42), and the partition member (42) is disposed eccentrically in a disposed direction of a discharge reed valve (36) provided on the discharge port (32C).

IPC 8 full level
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CPC (source: EP)
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Cited by
EP3136020A1; EP3141753A1; US10227983B2

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