

Title (en)
COMPRESSOR WITH A POSITIVE DISPLACEMENT OIL SUPPLY PUMP

Title (de)
VERDICHTER

Title (fr)
COMPRESSEUR

Publication
EP 3524819 A3 20190828 (EN)

Application
EP 19154627 A 20190130

Priority
JP 2018022976 A 20180213

Abstract (en)
A compressor is provided capable of ensuring an opening area of a suction port in an oil supply pump even when a lubricant flows in a thickness direction of a pump rotor. An oil supply pump (40A) of a scroll compressor (1) includes: a first suction port (51A) through which a lubricant flows into a first oil suction chamber (42A); a second suction port (51B) through which the lubricant flows into a second oil suction chamber (48A); a first discharge port (51C) through which the lubricant flows from a first oil discharge chamber (42B); a second discharge port (51D) through which the lubricant flows from a second oil discharge chamber (48B); oil introducing channels (46R1, 47R1) provided correspondingly to the second suction port (51B) by concaving peripheral edge surfaces of an outer rotor (46) and an inner rotor (47); and oil lead-out channels (46R2, 47R2) provided correspondingly to the second discharge port (51D) by concaving peripheral edge surfaces of the outer rotor (46) and the inner rotor (47).

IPC 8 full level
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CPC (source: EP)
F04C 23/008 (2013.01); **F04C 29/023** (2013.01); **F04C 29/025** (2013.01); **F04C 29/12** (2013.01); **F04C 18/0215** (2013.01); **F04C 2240/809** (2013.01); **F04C 2250/10** (2013.01)

Citation (search report)
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• [XY] JP 3274900 B2 20020415
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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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