

Title (en)
SPIRAL COMPRESSOR

Title (de)
SPIRALKOMPRESSOR

Title (fr)
ENSEMBLE COMPRESSEUR EN SPIRALE

Publication
EP 1078165 A1 20010228 (DE)

Application
EP 00920440 A 20000223

Priority
• DE 19910460 A 19990310
• EP 0001451 W 20000223

Abstract (en)
[origin: US6398530B1] In order to improve a compressor comprising a scroll compressor with a first compressor member and a second compressor member, a drive with a drive motor and an entraining unit which has an entraining member moving on an entraining path and an entraining member receiving means arranged on the second compressor member, wherein the compressor member receiving means is movable in a radial direction in relation to the central axis with a radial degree of freedom in relation to the entraining member, in such a manner that this can be produced as simply as possible and operates as reliably as possible it is suggested that the entraining member have an entraining member surface curved convexly in a direction transverse to the central axis in a direction of rotation, that the entraining member receiving means be non-rotatably arranged in relation to the second compressor member and have an entraining surface which surrounds the entraining member in a ring shape and on which the entraining member surface bears by always acting upon it with a force only in an orbiting subsection and that a space exist between the entraining member and the entraining surface outside the subsection acted upon with a force.

IPC 1-7
F04C 29/00; F04C 18/02

IPC 8 full level
F04C 29/00 (2006.01)

CPC (source: EP US)
F04C 29/0057 (2013.01 - EP US)

Citation (search report)
See references of WO 0053934A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 6398530 B1 20020604; AT E326634 T1 20060615; DE 19910460 A1 20000921; DE 50012753 D1 20060622; DK 1078165 T3 20060918; EP 1078165 A1 20010228; EP 1078165 B1 20060517; ES 2263467 T3 20061216; PT 1078165 E 20060831; WO 0053934 A1 20000914

DOCDB simple family (application)
US 71116500 A 20001109; AT 00920440 T 20000223; DE 19910460 A 19990310; DE 50012753 T 20000223; DK 00920440 T 20000223; EP 0001451 W 20000223; EP 00920440 A 20000223; ES 00920440 T 20000223; PT 00920440 T 20000223