

Title (en)
Scroll-type apparatus

Title (de)
Spiralanlage

Title (fr)
Appareil à spirales

Publication
EP 1055821 A1 20001129 (EN)

Application
EP 00303947 A 20000510

Priority
GB 9912216 A 19990526

Abstract (en)
A pump of the scroll-type comprising a first scroll member having an end plate and extending outwardly therefrom an involute spiral wrap; a second scroll member having an end plate and extending outwardly therefrom an involute spiral wrap; the spiral wraps of the respective scroll members mating such that when said first scroll member orbits relative to the axis of the second scroll member the walls of the two involute wraps define crescent shape volumes which become smaller and smaller as they move from the periphery to the centre of the mating scroll members, in which the innermost end of the involute wrap of at least one scroll member is so shaped that as the orbiting scroll member translates its complete locus there is little or no space for any fluid to remain within the pump. <IMAGE>

IPC 1-7
F04C 18/02

IPC 8 full level
F04C 18/02 (2006.01)

CPC (source: EP)
F04C 18/0269 (2013.01)

Citation (search report)
• [X] EP 0761971 A1 19970312 - MITSUBISHI HEAVY IND LTD [JP]
• [X] EP 0105684 A1 19840418 - SANDEN CORP [JP]
• [X] PATENT ABSTRACTS OF JAPAN vol. 8, no. 116 (M - 299)<1553> 30 May 1984 (1984-05-30)
• [X] PATENT ABSTRACTS OF JAPAN vol. 8, no. 9 (M - 268)<1446> 14 January 1984 (1984-01-14)

Designated contracting state (EPC)
CH DE FR GB LI

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