

Title (en)  
Scroll compressor with a discharge valve

Title (de)  
Spiralverdichter mit Auslassventil

Title (fr)  
Compresseur à spirales avec soupape de refoulement

Publication  
**EP 1081384 A3 20020206 (EN)**

Application  
**EP 00119198 A 20000905**

Priority  
JP 25154099 A 19990906

Abstract (en)  
[origin: EP1081384A2] A scroll-type compressor is disclosed. The compressor has a fixed scroll (11) and a movable scroll (20). Two scrolls (11, 20) respectively have volute portions (32,34) cooperate to form a variable volume gas pocket. The movable scroll (20) moves along a predetermined orbital path to vary the volume of the pocket. A movable base plate (33) has a discharge port (25) that discharges the gas from the pocket when the volume of the pocket is less than a predetermined volume. A valve unit (26, 29, 30) connects and disconnects the discharge port (25) with the gas passage. The valve has a movable valve body (39) movable between two positions open and close the discharge port (25). <IMAGE>

IPC 1-7  
**F04C 18/02**; **F04C 29/08**

IPC 8 full level  
**F04C 29/12** (2006.01); **F04C 18/02** (2006.01)

CPC (source: EP)  
**F04C 18/0246** (2013.01); **F04C 29/126** (2013.01)

Citation (search report)

- [DY] JP H0493781 U 19920814
- [Y] JP H06264875 A 19940920 - TOYODA AUTOMATIC LOOM WORKS
- [XY] PATENT ABSTRACTS OF JAPAN vol. 014, no. 540 (M - 1053) 29 November 1990 (1990-11-29)
- [Y] PATENT ABSTRACTS OF JAPAN vol. 018, no. 090 (M - 1560) 15 February 1994 (1994-02-15)
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 558 (M - 1493) 7 October 1993 (1993-10-07)

Cited by  
WO2020151364A1

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)  
**EP 1081384 A2 20010307**; **EP 1081384 A3 20020206**; JP 2001073972 A 20010321

DOCDB simple family (application)  
**EP 00119198 A 20000905**; JP 25154099 A 19990906