

Title (en)

Compressor for and method of simultaneously cooling and filtrating the gas

Title (de)

Verdichter mit gleichzeitiger Kühlung und Filtration des Gases und Verfahren dafür

Title (fr)

Compresseur avec refroidissement et filtration simultanés du gaz et méthode associée

Publication

EP 1445491 A1 20040811 (EN)

Application

EP 04002443 A 20040204

Priority

- JP 2003028401 A 20030205
- JP 2003063608 A 20030310

Abstract (en)

A scroll type compressor includes a fixed scroll member (20) and a movable scroll member (24) to define compression chambers. The movable scroll member orbits relative to the fixed scroll member to compress gas in the compression chambers. The compressed gas is discharged to a discharge port (20d). The compressor also includes a filter chamber (44) and a cooling chamber (32). The filter chamber communicates with the discharge port for accommodating a first filter (55) to at least partially filter the compressed gas. The cooling chamber is located adjacent to the filter chamber for containing coolant fluid that cools the compressed gas in the filter chamber. <IMAGE>

IPC 1-7

F04C 29/00; **F04C 29/04**

IPC 8 full level

F04C 18/02 (2006.01); **F04C 29/00** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP US)

F04C 29/0092 (2013.01 - EP US); **F04C 29/04** (2013.01 - EP US); **F04C 18/0215** (2013.01 - EP US)

Citation (search report)

- [PXL] EP 1371851 A2 20031217 - TOYOTA JIDOSHOKKI KK [JP]
- [X] US 4174196 A 19791113 - ARAI AKIRA [JP], et al
- [A] EP 0322894 A2 19890705 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [A] US 5775888 A 19980707 - SAKAMOTO SUSUMU [JP], et al

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

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