

Title (en)  
Compressor with at least one compressor stage and a moisture separator

Title (de)  
Verdichter mit Wasserabscheider

Title (fr)  
Compresseur avec séparateur d'eau

Publication  
**EP 0854290 A1 19980722 (EN)**

Application  
**EP 98200009 A 19980103**

Priority  
BE 9700038 A 19970115

Abstract (en)  
Compressor with at least one compressor stage and a moisture separator, whereby the compressor stage contains a housing (1) provided with an inlet (16-17-18) for gas to be compressed and an outlet (21) and at least two cooperating compressor elements (2 and 3) mounted in this housing (1) of which at least one is a rotating element, characterized in that the inlet (16-17-18) of the compressor stage is practically sealed by a fast rotating body (19) made of cellular material with open cells which has a sufficiently low flow resistance for the gas to be compressed in order to let the gas through, but which retains moisture particles and other particles and flings them away radially, which body (19) is incorporated in the housing (1). <IMAGE>

IPC 1-7  
**F04C 29/00**; **F04C 18/16**

IPC 8 full level  
**F04C 18/16** (2006.01); **F04C 29/00** (2006.01); **F04C 29/02** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP)  
**F04C 29/0092** (2013.01)

Citation (search report)

- [A] US 4685509 A 19870811 - KOELLER WALTER [DE]
- [A] US 5435975 A 19950725 - BASTOS BRAULIO LUIS C X [BR]
- [A] US 2204814 A 19400618 - NEWELL GEORGE K
- [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 125 (C - 283) 30 May 1985 (1985-05-30)

Cited by  
EP0878627A1; EP2325531A1; CN107100836A

Designated contracting state (EPC)  
DE ES FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0854290 A1 19980722**; **EP 0854290 B1 20021002**; BE 1010853 A3 19990202; DE 69808345 D1 20021107; DE 69808345 T2 20040408; ES 2185108 T3 20030416; JP H10220375 A 19980818

DOCDB simple family (application)  
**EP 98200009 A 19980103**; BE 9700038 A 19970115; DE 69808345 T 19980103; ES 98200009 T 19980103; JP 451298 A 19980113