

Title (en)  
COMPRESSOR ROTOR

Title (de)  
VERDICHTERROTOR

Title (fr)  
ROTOR DE COMPRESSEUR

Publication  
**EP 1689979 A1 20060816 (DE)**

Application  
**EP 04819680 A 20041117**

Priority  
• EP 2004052993 W 20041117  
• DE 10356586 A 20031204

Abstract (en)  
[origin: WO2005054634A1] A compressor comprises a rotor (13) which has several rotor blades (14, 14') which are arranged successively at a distance from each other in an axial direction. A plurality of heat-accumulating segments (10), which are detachably fixed to the rotor (13) in a successive manner in the direction of the periphery and which can be displaceably mounted in the direction of the periphery, are arranged between adjacent rows of rotor blades (14, 14') on the periphery of the rotor (13). Security means (15) are provided on the heat-accumulating segments (10). Said security means are used to secure the heat-exchanging segments against displacement in the direction of the periphery. Production and mounting of the inventive rotor are simplified by virtue of the fact that only one part of the heat-accumulating segments (10) is provided with said security means (15).

IPC 8 full level  
**F01D 25/24** (2006.01); **F01D 5/06** (2006.01); **F04D 29/64** (2006.01)

CPC (source: EP US)  
**F01D 5/06** (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US); **F04D 29/644** (2013.01 - EP US); **F05B 2260/301** (2013.01 - EP US); **F05D 2230/64** (2013.01 - EP US)

Citation (search report)  
See references of WO 2005054634A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005054634 A1 20050616**; CA 2549136 A1 20050616; DE 10356586 A1 20050707; EP 1689979 A1 20060816; TW 200525077 A 20050801; TW I350877 B 20111021; US 2006228210 A1 20061012; US 8033784 B2 20111011

DOCDB simple family (application)  
**EP 2004052993 W 20041117**; CA 2549136 A 20041117; DE 10356586 A 20031204; EP 04819680 A 20041117; TW 93137460 A 20041203; US 38229206 A 20060509