

Title (en)
Turbomolecular pump rotor

Title (de)
Turbomolekularpumpenrotor

Title (fr)
Rotor de pompe turbo-moléculaire

Publication
EP 2295813 B1 20190918 (DE)

Application
EP 10007376 A 20100716

Priority
DE 102009035812 A 20090801

Abstract (en)
[origin: JP2011033027A] <P>PROBLEM TO BE SOLVED: To avoid risks that a rotor body is destroyed and energy accumulated therein is rapidly discharged to a housing, so-called an explosion. <P>SOLUTION: A shaft supports a first rotor structure 101, and the first rotor structure includes a rotor blade ring 119 and a blade 123. Moreover, the first rotor structure 101 supports a rotor sleeve 124 and includes a recess 130. The recess 130 extends in an axial direction and a radial direction to form a hollow space. A size of a fragment is reduced and a destruction process is extended while including the recess extending in the axial direction and existing at a radial direction inside, namely the recess extending in the radial direction from a symmetric rotation axis line so as to from the hollow space. <P>COPYRIGHT: (C)2011,JPO&INPIT

IPC 8 full level
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