



WEBPAT专利整合检索平台

北京合峰连颖科技有限公司

林志勇

john@sales.ltc.tw



WEBPAT专利整合检索平台



■ 网址：<http://webpat.cn/>

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HOW TO SEARCH

新手上路
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PatentGuider
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专利检索
及专利分析系统
IPS
Integrated Patent System

IPTECH
智能分析应用平台

台湾核准
核准公告之台湾
专利全文数据。

台湾公开
早期公开之台湾
专利全文数据。

美国核准
核准公告之美国
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美国公开
早期公开之美国
专利全文数据。

欧盟核准
核准公告之欧盟
专利全文数据。

帐号登入

林志勇 您好

修改密码

数据库涵盖范围

资料库	更新日期
欧盟核准专利资料库	2009/12/23
欧盟公开专利资料库	2009/12/23
台湾核准专利资料库	2009/12/21
台湾早期公开资料库	2009/12/16
美国核准专利资料库	2009/12/22
美国公开专利资料库	2009/12/24

WEBPAT专利整合检索平台



- 网址：<http://webpat.cn/>
- 数据范围
 - 合计约8,000多万笔，年新增1000万笔，自1950年~迄今
 - 中国专利：约900万笔，每周三更新，自1985年~迄今
 - 台湾核准公告：120万笔，每月1,11,21日更新，自1950年~迄今
 - 台湾早期公开：50万笔，每月1,16日更新，自2003年~迄今
 - 美国核准公告：500万笔，每周二更新，自1976年~迄今
 - 美国早期公开：400万笔，每周四更新，自2001年~迄今
 - 欧盟核准公告：130 万笔，每周三更新，自1980年~迄今
 - 欧盟早期公开：280万笔，每周三更新，自1978年~迄今
 - 日本早期公开：12万笔，每周三更新，自1993 ~迄今
 - 日本核准公告：320万笔，每周四更新，自1994 ~迄今
 - 世界PCT专利：227万笔，每周四更新，自1994 ~迄今
 - DOCDB全球专利：4500万笔，每周更新，自1976~迄今

使用介绍 – 检索功能



- 一般检索
- 进阶检索
- 辅助性检索
- 整合检索（需要语言统一）

一般(布尔)检索

- 同布尔检索机制，检索字段得自订数量，无字段数量之限制。
- 字符串间可进行 AND, OR, ANDNOT 布尔运算。



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检索 | 进阶检索 | 检索记录 | 检索笔记

台湾核准专利资料库

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检索:

Example B65D85%,G06Q90/00, 08-99

AND

Example 林晖, LT

AND

Example 林晖, LEE

新增检索条件 >>

检索 清除

专利类型: (利用「Ctrl + 滑鼠」点击, 即可复选专利类型)

全部申请类型

发明专利

新型专利

新式样专利

日期限制: (编辑)

"公告(开)日" or "申请日"

显示档位: (编辑)

国际/物品分类号

申请人

发明人

资料库更新资讯

2009/12/23 欧盟核准专利资料库

2009/12/23 欧盟公开专利资料库

2009/12/24 台湾核准专利资料库 第36卷第36期 核准专利公报说明书全文影像

2009/12/16 台湾早期公开资料库 第07卷第24期 早期发明公开全文影像

2009/12/22 美国核准专利资料库

2009/12/24 美国公开专利资料库

参考资讯

- 如何检索
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选择放大镜可以
辅助检索

辅助性检索

■ 申请人、发明人、IPC辅助性检索、UPC辅助性检索

申请人 - 辅助检索 发明人 - 辅助检索 IPC - 辅助检索 UPC - 辅助检索 网页对话框

申请人

下方将依字母顺序显示本次检索结果之申请人列表。

请点选下方之英文字母进行检索
Ex. 输入 LG 即可显示 LG 之所有申请人
[beijing]

资料范围: B

笔数
1
1
1
1
1
1
1
1
1
1
1

请点选「加入」

发明人

下方将依字母顺序显示本次检索结果之发明人列表。

请点选下方之英文字母进行检索
Ex. 输入 John 即可显示 John 之所有发明人
[john]

资料范围:

笔数
1

Back to top

请点选「加入」

IPC

下方将依字母顺序显示本次检索结果之IPC列表。

请点选下方之英文字母进行检索
Ex. 输入 H01L 即可显示 H01L 之所有IPC
[c04b]

笔数	加入
0	加入
0	加入
70	加入
44	加入
33	加入
18	加入
33	加入
21	加入
1	加入

请点选「加入」按钮

UPC

下方将依字母顺序显示本次检索结果之UPC列表。

请输入您欲检索之UPC进行查询
Ex. 输入 002 即可显示 002 之所有UPC
[in] to [UPC Content] [检索] A B C D E F G H

Pages: 1 2 3 4 5 6 7 8 9 10 ... 共16200笔

Records	Add to Query	Class Name	Description
15	加入	002/101	Putting-on accessories
11	加入	002/107	Garment supporting
8	加入	002/112	Garment supporting
27	加入	002/161.300	Having high friction outer surface (e.g., friction pad, tenacious coating, tackified, etc.)
45	加入	002/161.800	Having high friction outer surface (e.g., friction pad, tenacious coating, tackified, etc.)
21	加入	002/181.200	Discontinuous contact
5	加入	002/195.400	With cooperating mechanical coupling
5	加入	002/195.700	Having upturned and close fitting rim, brim, or visor
46	加入	002/240	Supporting features
6	加入	002/260.100	Surface bonded coating
7	加入	002/303	Hose supporting
2	加入	002/306	Supporting to hose only

请点选「加入」按钮，将您欲检索之UPC加入后，并按下「确定」。

[确定] [取消]

进阶检索（高级检索）

- 弹性设定检索条件查询案件数据。
- 利用AND, OR, ANDNOT合并检索纪录。

输入高级检索字段
(专业检索)

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进阶检索, 可使用「二组以上检索条件」及「and, or, and not」查询。检索结果将显示於下方之检索记录列表中。

Example: LED <IN> TTL AND ISD >= 2008/01/01 AND ISD <= 2008/12/31
#1 AND #2 more examples

陶瓷 <IN> TTL AND ISD >= 2005/01/01 AND ISD <= 2009/12/31

检索

专利类型:
全部申请类型
发明专利
新型专利
新式样专利

日期限制: (编辑)
"公告(开)日"或"申请日"

显示栏位: (编辑)
「检索结果-列表模式」将依您的自订栏位显示

栏位名称	运算符
ANY=全部栏位	AND
TTL=专利名称	OR
ABST=摘要	HOT
CLMS=申请专利范围	
SPEC=说明	
AN=申请人	
IN=发明人	
PN=公告号	
ISN=证书号	
APN=申请号	
PRN=优先权号	
PRCN=优先权国别	
IPC=国际物品分类号	
ACN=申请人国家	
ICN=发明人国家	
REF=国内引证资料	
FREF=国外引证资料	
OGV=公告卷号	
OGN=公告期数	
AGENT=专利代理人	
AC=申请人地址	
IC=发明人地址	
ISD=公告(开)日	
APD=申请日	
APT=申请类型	

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整合检索

请选择数据库: ☐ 全响

☐ 台湾核准 ☐ 台湾公开 ☐ 美国核准 ☐ 美国公开 ☐ 欧盟核准 ☐ 欧盟公开

☐ 中国专利 ☐ 日本核准 ☐ 日本公开 ☐ 日本专利 ☐ 世界专利

检索:

in 专利名称

Example: LED,"Digital Content",nano*

AND in 专利名称

Example: LED,"Digital Content",nano*

AND in 专利名称

Example: LED,"Digital Content",nano*

[新增检索条件 >>](#)

日期限制: ([编辑](#))

数据库更新信息

台湾核准专利数据库

- 2013/10/11
- 全文影像: 第40卷第29期核准专利公报说明书全文影像

台湾公开专利数据库

- 2013/10/16
- 全文影像: 第11卷第20期核准专利公报说明书全文影像

美国核准专利数据库

- 2013/10/01

美国公开专利数据库

- 2013/10/03

欧盟核准专利数据库

- 2013/10/02

欧盟公开专利数据库

- 2013/10/02

中国专利

- 2013/10/16

日本JPO核准专利资料库

检索结果



- 以 (材料 <IN> TTL AND ISD >= 2005/01/01 AND ISD <= 2009/12/31) 为检索条件，三种结果显示模式

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台湾核准专利资料库

检索条件: 材料 <IN> TTL AND ISD >= 2005/01/01 AND ISD <= 2009/12/31

笔数: 1659 台湾公开专利笔数: 3919 第 1 之 166 页 GO

列表显示

打印 电子邮件 加入注记 加入检索通知 more options 图文显示 条列显示

选取	编号	公告(开)号	公告(开)日	专利名称
☐	1	I318722	2009/12/21	具导电图样之材料，以及用於制造导电图样之材料与方法 MATERIAL HAVING A CONDUCTIVE PATTERN; AND A MATERIAL AND METHOD FOR MAKING A CONDUCTIVE PATTERN
☐	2	I318693	2009/12/21	光学材料、非结晶材料与相关材料及其制备方法 OPTICAL MATERIALS, AMORPHOUS MATERIALS AS WELL AS RELATED MATERIALS, AND PRODUCTION METHODS THEREOF
☐	3	I318638	2009/12/21	光机能材料 PHOTO FUNCTIONAL MATERIAL
☐	4	I318590	2009/12/21	产生一用於材料加工应用之低发散度，高能雷射光束之装置及方法 DEVICE AND METHOD TO CREATE A LOW DIVERGENCE, HIGH POWER LASER BEAM FOR MATERIAL PROCESSING APPLICATIONS
☐	5	M371270	2009/12/21	以回收废弃物为材料之滑鼠腕垫
☐	6	M371229	2009/12/21	太阳光电模组之具储能材料散热器
☐	7	M371225	2009/12/21	双层中空透光材料内置电力转换之太阳能百叶结构
☐	8	I318412	2009/12/21	积层突波吸收器材料配方组成及使用这种材料的积层突波吸收器及其制法

辅助建立检索条件机制



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检索 | 进阶检索 | 检索记录 | 检索笔记

美国核准专利资料库

检索条件: (c04b <IN> ICL)

笔数: 12880 美国公开专利笔数: 4448

再检索 打印

结果中再检索 再检索

- 主申请人
- 主国际/物品分类号
- 主发明人
- 主美国分类号
- 主要审查委员
- 公告(开)年

说明: 以上数值为系针对前500笔最新专利排序及统计

1. 专利名称: M...
申请人: Dov...
公告(开)号...
国际/物品专...
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2. 专利名称: A...
申请人: Cab...
公告(开)号...
国际/物品专...
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3. 专利名称: Sintered ceramic composite le...
申请人: 无
公告(开)号: 07632784 公告(开)日: 2006/12/13
国际/物品分类号: H01L039/12; H01B012/00; C0...
全文 下载PDF

4. 专利名称: Industrial ceramic shaped body and process for pro...

主申请人

主国际/物品分类号

主发明人

主美国分类号

主要审查委员

公告(开)年

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首页图像信息

首页摘要信息

摘要

A porous body includes skeleton particles directly binding with each other and forming inner surfaces and void spaces, each of the skeleton particles being one of a nitride ceramic, a carbide ceramic and an oxide ceramic, and inorganic compound components bound to the inner surfaces formed by the skeleton particles directly bound with each other and including an inorganic compound formed by calcinating pore forming particles including an organic polymer and inorganic particles being one or more inorganic material of a nitride ceramic, a carbide ceramic, an oxide ceramic, a metal and a metal compound. The ceramic of the skeleton particles is different from the inorganic compound of the inorganic compound components.

专利号: 07473465
公告(开)日: 20090106
专利类型: Utility Patent
申请人: Ibiden Co., Ltd.(Ogaki-shi)
发明人: Ohno; Kazushige(Ibi-gun; JP)
Sato; Hiroki(Ibi-gun; JP)
国际/物品分类号: C04B038/06;
美国分类号: 428/307.700; 428/313.500; 428/313.900; 428/325; 428/327;
申请号: 11/450460
申请日: 20060612

申请权利范围

申请专利范围 | **说明**

1. A porous body comprising: a ceramic body produced by calcining a molded body comprising a mixture including a plurality of skeleton particles and a plurality of pore forming particles comprising an organic polymer and a plurality of inorganic particles, wherein the molded body is calcined in a temperature range sufficiently high for a sufficient duration such that the skeleton particles directly bind with each other and form inner surfaces and void spaces and that the inorganic particles of the pore forming particles form a plurality of inorganic compound components present on the inner surfaces formed by the skeleton particles directly bound with each other and comprising an inorganic compound, each of the skeleton particles comprises a ceramic selected from the group consisting of a nitride ceramic, a carbide ceramic and an oxide ceramic, the plurality of inorganic particles comprises at least one inorganic material selected from the group consisting of a nitride ceramic, a carbide ceramic, an oxide ceramic, a metal and a metal compound, and the ceramic of the skeleton particles is different from the inorganic compound of the inorganic compound components.
2. The porous body according to claim 1, wherein a porosity of the porous body is at least about 45% and at most about 85%.
3. The porous body according to claim 1, wherein the void spaces have a major axis which is equal to or larger than a major axis of the skeleton particles.
4. The porous body according to claim 3 wherein the plurality of skeleton

参考资讯

申请专利范围: 26
独立项: 6
发明人: 2
申请人: 1

专利详细资料-查看方式



引证资料 (後引证)

U.S. 引证专利号 : 8

他国引证专利号 : 25

其他参考文献 : 17

引证资料 (前引证)

U.S. 引证专利号 : 3

说明

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a division of U.S. patent application Ser. No. 11/033,151, filed Jan. 11, 2005, which claims the benefit of priority under 35 U.S.C. § 119 to Japanese Patent Application No. 2003-10617, the entire contents of those applications are incorporated herein by reference.

BACKGROUND OF THE INVENTION

1. Field of the Invention

The present invention relates to a honeycomb structure, a porous body and a pore forming material. The present invention further relates to methods for manufacturing the pore forming material, the honeycomb structure.

2. Discussion of the Background

Unexamined Japanese Patent Publication (kokai) No. 2003-10617 discloses a method for manufacturing a porous body in which polymer particles (a pore forming material for a porous body) having a pore formation function and skeleton material comprised of a ceramic, a metal, etc. and the resultant mixture is subjected to degreasing, and calcination to obtain a porous body. In such a manufacturing method, the polymer particles are removed by decomposition in a degreasing step, and thereby pores are formed in the portion so removed. The contents of Unexamined Japanese Patent Publication (kokai) No. 2003-10617 are incorporated herein by reference in their entirety.

SUMMARY OF THE INVENTION

According to one aspect of the present invention, a pore forming material for a porous body includes organic polymer particles and inorganic particles.

U.S. 引证专利号 : 8

专利号

06939825

06565630

05914187

06770116

06447564

04613643

06669751

05930994

他国引证专利号 : 25

专利号

0 736 503

1 375 454

1 375 525

1 398 081

1 489 278

1-167281

3-1090

6-56554

7-223879

8-301672

11-171663

2002-274947

2002-326881

2002-356383

2003/10617

2003-210922

2003-236384

2003-262118

2004-83371

WO 02/072671

WO 02/081406

WO 02/096827

03/082770

其他参考文献 : 17

文献资讯

U.S. Appl. No. 10/129,126.

U.S. Appl. No. 11/225,197.

U.S. Appl. No. 10/502,044, filed Jan. 24, 2005, Taoka et al.

U.S. Appl. No. 10/518,548, filed Jan. 2, 2005, Takahashi et al.

U.S. Appl. No. 11/851,300, Oshimi.

U.S. Appl. No. 11/925,459, Ito.

U.S. Appl. No. 11/932,469, Oshimi.

U.S. Appl. No. 11/927,225, Saito et al.

公告日

2005/09/06

2003/05/20

1999/06/22

2004/08/03

2002/09/10

U.S. 引证专利号 : 3

Patent Number

Title

Issue date

07588716

Peripheral layer forming method for manufacturing honeycomb structure

2009/01/00

07632452

Method for manufacturing honeycomb structure

2009/01/00

07603793

End-face heating apparatus, end-face drying method for honeycomb aggregated body, and method for manufacturing honeycomb structured body

2009/01/00

rein the plurality of

and the plurality of

selected from alumina,

rein the inorganic

skeleton particles.

rein the inorganic

se and are bound on

neck portions of the skeleton particles.

14. A honeycomb structure produced by the process comprising the steps of: preparing a plurality of pore forming particles comprising an organic polymer and a plurality of inorganic particles, the inorganic particles comprising at least one inorganic material selected from the group consisting of a nitride ceramic, a carbide ceramic, an oxide ceramic, a metal and a metal compound; forming a mixture of a plurality of skeleton particles and the plurality of pore forming



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7. A porous body produced by the process comprising the steps of: preparing a plurality of pore forming particles comprising an organic polymer and a plurality of inorganic particles, the inorganic particles comprising at least one inorganic

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说明

1. A porous body comprising: a ceramic body produced by calcining a molded body comprising a mixture including a plurality of skeleton particles and a plurality of pore forming particles comprising an organic polymer and a plurality of inorganic particles, wherein the molded body is calcined in a temperature range sufficiently high for a sufficient duration such that the skeleton particles directly bind with each other and form inner surfaces and void spaces and that the inorganic particles of the pore forming particles form a plurality of inorganic compound components present on the inner surfaces formed by the skeleton particles directly bound with each other and comprising an inorganic compound, each of the skeleton particles comprises a ceramic selected from the group consisting of a nitride ceramic, a carbide ceramic and an oxide ceramic, the plurality of inorganic particles comprises at least one inorganic material selected from the group consisting of a nitride ceramic, a carbide ceramic, an oxide ceramic, a metal and a metal compound, and the ceramic of the skeleton particles is different from the inorganic compound of the inorganic compound components.
2. The porous body according to claim 1, wherein a porosity of the porous body is at least about 45% and at most about 85%.
3. The porous body according to claim 1, wherein the void spaces have a major axis which is equal to or larger than a major axis of the skeleton particles.
4. The porous body according to claim 3, wherein the plurality of skeleton particles comprises silicon carbide particles and the plurality of inorganic compound components comprises at least one selected from alumina, mullite, silica, titania, and silica alumina.
5. The porous body according to claim 3, wherein the inorganic compound components are bound on neck portions of the skeleton particles directly bound with each other.
6. The porous body according to claim 3, wherein the inorganic compound components are crystallized from a liquid phase and are present on neck portions of the skeleton particles directly bound with each other.
7. A porous body produced by the process comprising the steps of: preparing a plurality of pore forming particles comprising an organic polymer and a plurality of

摘要

A porous body includes skeleton particles directly binding with each other and forming inner surfaces and void spaces, each of the skeleton particles being one of a nitride ceramic, a carbide ceramic and an oxide ceramic, and inorganic compound components bound to the inner surfaces formed by the skeleton particles directly bound with each other and including an inorganic compound formed by calcinating pore forming particles including an organic polymer and an inorganic material of a nitride ceramic, a carbide ceramic, an oxide ceramic, a metal and a metal compound. The ceramic of the inorganic compound of the inorganic

关键字: particle, inorganic particle, carbide, polymer, plurality

公开号: 20060166

专利类型: Utility Patent

申请人: Ibiiden Co., Ltd.(Ogaki-shi)

发明人: Ohno; Kazushige(Ibi-gun; JP)
Sato; Hiroki(Ibi-gun; JP)

国际/物品分类号: C04B038/06;

美国分类号: 428/307.700; 428/313.500; 428/313.900; 428/325; 428/327;

申请号: 11/450460

申请日: 20060612

主要/助理审查委员: ZimmermanJohn J.; AustinAaron

专利代理人: Oblon, Spivak, McClelland, Maier & Neustadt, P.C.;

母案相关资讯:

This application is a divisional of U.S. patent application Ser. No. 11/033,151, filed on Jan. 12, 2005, which claims the benefit of priority under 35 U.S.C. .sctn.119 to Japanese Patent Application No. 2004-006152, filed Jan. 13, 2004. The entire contents of those applications are incorporated herein by reference.

优先权资讯:

申请号

申请日

国家

参考资料

申请专利范围: 26

独立项: 6

发明人: 2

申请人: 1

专利家族: 6

关键字: particle, inorganic particle, carbide, polymer, plurality

引证专利:

总引证次数: 3

近五年引证次数: 3

法律资料:

年费缴交期限: 2013/01/07

审查历程:

转让资讯:

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独立项： 6
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总引证次数： 3
近五年引证次数： 3

法律资料：
年费缴交期限： 2013/01/07
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转让资讯：

compound components bound to the inner surfaces formed by the skeleton particles directly bound with each other and including an inorganic compound formed by calcinating pore forming particles including an organic polymer and inorganic particles being one or more inorganic particles selected from the group consisting of a nitride ceramic, a metal compound, a metal and a metal compound, wherein the inorganic compound is different from the inorganic compound of the inorganic particles.

body comprising a mixture including a plurality of skeleton particles and a plurality of pore forming particles comprising an organic polymer and a plurality of inorganic particles, wherein the molded body is calcined in a temperature range sufficiently high for a sufficient duration such that the skeleton particles directly bound with each other.

6. The porous body according to claim 3, wherein the inorganic compound components are crystallized from a liquid phase and are present on neck portions of the skeleton particles directly bound with each other.

7. A porous body produced by the process comprising the steps of: preparing a plurality of pore forming particles comprising an organic polymer and a plurality of inorganic particles, the inorganic particles comprising at least one inorganic material selected from the group consisting of a nitride ceramic, a carbide ceramic, an oxide ceramic, a metal and a metal compound; forming a mixture of a plurality of skeleton particles and the plurality of pore forming particles, the skeleton particles comprising a ceramic selected from the group consisting of a nitride ceramic, a carbide ceramic and an oxide ceramic, the ceramic of the skeleton particles being different from the inorganic compound of the inorganic particles.

總引證次數(07473465)

1. **07588716**-20090915-Peripheral layer forming method for manufacturing honeycomb structure
2. **07603793**-20091020-End-face heating apparatus, end-face drying method for honeycomb aggregated body, and method for manufacturing honeycomb structured body
3. **07632452**-20091215-Method for manufacturing honeycomb structure

申請人： Ibiden Co., Ltd.(Ogaki-shi)
發明人： Ohno; Kazushige(Ibi-gun; JP)
Sato; Hiroki(Ibi-gun; JP)
國際/物品分类号： C04B038/06;
美国分类号： 428/307.700; 428/313.500; 428/313.500;
申请号： 11/450460
申请日： 20060612
主要/助理审查委员： Zimmerman John J.;
专利代理人： Oblon, Spivak, McClelland, Maier & Neiberg, LLP

母案相关资讯：
This application is a divisional of U.S. patent application Ser. No. 11/055,151, filed on Jan. 12, 2005, which claims the benefit of priority under 35 U.S.C. § 119 to Japanese Patent Application No. 2004-006152, filed Jan. 13, 2004. The entire contents of those applications are incorporated herein by reference.

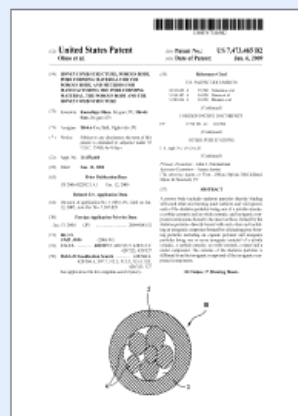
优先权资讯：

申请号	申请日	国家
2004-006152	20040113	JP

相关美国申请资料：

申请号	申请日	专利号	公告日
11033151	20050112	7387829	-
-	-	20060228521	20061012

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参考资讯

申请专利范围：26

独立项：6

发明人：2

申请人：1

专利家族：1

关键字：particle, inorganic particle, carbide, polymer, plurality

引证专利：

总引证次数：3

近五年引证次数：3

法律资料：

年费缴交期限：2013/01/07

审查历程：1

转让资讯：1

摘要

A porous body includes skeleton forming inner surfaces and void spaces of a nitride ceramic, a carbide ceramic compound components bound to particles directly bound with each other formed by calcinating pore forming inorganic particles being one or more of a carbide ceramic, an oxide ceramic compound components.

专利号：07473465

公告(开)日：20090106

专利类型：Utility Patent

申请人：Ibiden Co., Ltd.(Ogaki-shi)

发明人：Ohno; Kazushige(Ibiden Co., Ltd.)

Sato; Hiroki(Ibiden Co., Ltd.)

国际/物品分类号：C04B038/06; C04B038/08

美国分类号：428/307.700; 428/307.701

申请号：11/450460

申请日：20060612

主要/助理审查委员：Zimmerman

专利代理人：Gordon, Spivak, McCarty

母案相关资讯：

This application is a divisional of U.S. patent application Ser. No. 11/033,151, filed Jan. 12, 2005, which claims the benefit of priority under 35 U.S.C. § 119 to Japanese Patent Application No. 2004-006152, filed Jan. 13, 2004. The entire contents of those applications are incorporated herein by reference.

优先权资讯：

申请号	申请日	国家
2004-006152	20040113	JP

审查历程 (07473465)

Parent Continuity Data: 11033151

Child Continuity Data: 11626158

Transaction History

Date	Transaction Description
01-06-2009	Recordation of Patent Grant Mailed
12-18-2008	Email Notification
12-17-2008	Issue Notification Mailed
01-06-2009	Patent Issue Date Used in PTA Calculation
12-03-2008	Dispatch to FDC
12-02-2008	Application Is Considered Ready for Issue
11-28-2008	Issue Fee Payment Verified
11-28-2008	Issue Fee Payment Received
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09-04-2008	Email Notification
09-04-2008	Mail Examiner's Amendment
09-04-2008	Mail Notice of Allowance
09-02-2008	Document Verification
09-02-2008	Notice of Allowance Data Verification Completed

with each other.

6. The porous body according to claim 3, wherein the inorganic compound components are crystallized from a liquid phase and are present on neck portions of the skeleton particles directly bound with each other.

7. A porous body produced by the process comprising the steps of: preparing a plurality of pore forming particles comprising an organic polymer and a plurality of inorganic particles, the inorganic particles comprising at least one inorganic

calcining a molded particles and a plurality of a temperature range particles directly bound with each other and that the plurality of inorganic compound, formed by the skeleton inorganic compound, selected from the group oxide ceramic, the organic material selected ceramic, an oxide of the skeleton organic compound

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US007473465B2

(12) **United States Patent**
Ohno et al.

(10) **Patent No.:** **US 7,473,46**
(45) **Date of Patent:** **Jan. 6,**

(54) **HONEYCOMB STRUCTURE, POROUS BODY, PORE FORMING MATERIAL FOR THE POROUS BODY, AND METHODS FOR MANUFACTURING THE PORE FORMING MATERIAL, THE POROUS BODY AND THE HONEYCOMB STRUCTURE**

(56) **References Cited**
U.S. PATENT DOCUMENTS
4,613,643 A 9/1986 Nakamura et al.
5,914,187 A 6/1999 Naruse et al.
5,930,994 A 8/1999 Shimato et al.

(Continued)

FOREIGN PATENT DOCUMENTS

EP 0 736 503 A1 10/1996

(Continued)

OTHER PUBLICATIONS

U.S. Appl. No. 10/129,126.

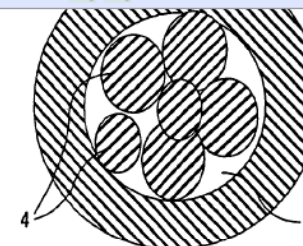
(Continued)

Primary Examiner—John J. Zimmerman
Assistant Examiner—Aaron Austin

(74) *Attorney, Agent, or Firm*—Oblon, Spivak, McC
Maier & Neustadt, P.C.

(57) **ABSTRACT**

A porous body includes skeleton particles directly with each other and forming inner surfaces and void each of the skeleton particles being one of a nitride c a carbide ceramic and an oxide ceramic, and inorganic pound components bound to the inner surfaces forme



US 7,473,465 B2

Page 2

U.S. PATENT DOCUMENTS

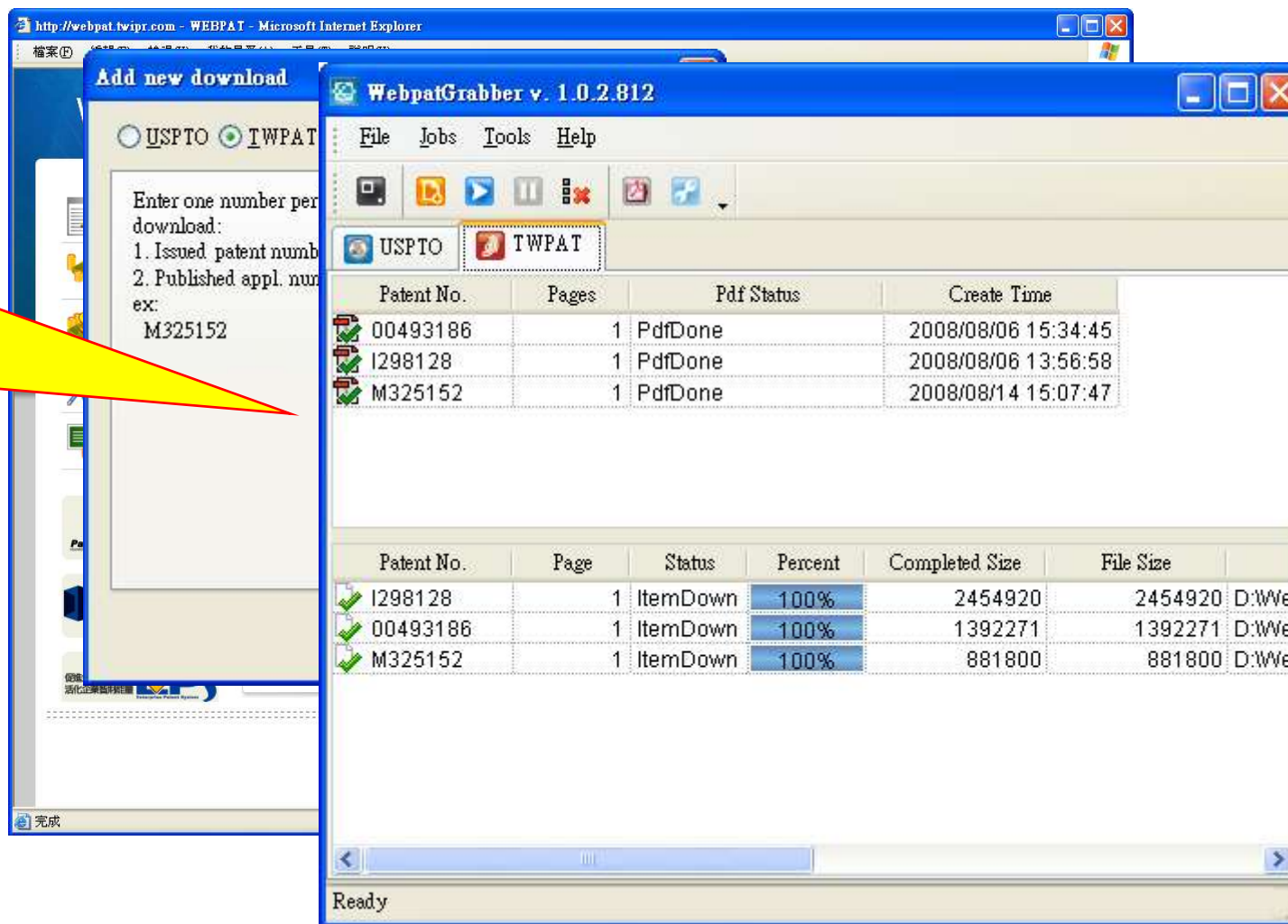
6,447,564 B1	9/2002	Ohno et al.
6,565,630 B2	5/2003	Ohno et al.
6,669,751 B1	12/2003	Ohno et al.
6,770,116 B2	8/2004	Kojima
6,939,825 B1	9/2005	Ohno et al.
2004/0031264 A1	2/2004	Kojima
2004/0033175 A1	2/2004	Ohno et al.
2004/0033893 A1*	2/2004	Tomita et al.
2004/0055265 A1	3/2004	Ohno et al.
2004/0091709 A1	5/2004	Ohmura et al.
2004/0161596 A1	8/2004	Taoka et al.

2006/0228521 A1	10/2006	Ohno et al.
2006/0230732 A1	10/2006	Kunieda
2006/0254231 A1	11/2006	Hayashi et al.
2007/0068128 A1	3/2007	Oshimi et al.
2007/0169453 A1	7/2007	Hayakawa
2007/0178275 A1	8/2007	Takahashi
2007/0190289 A1	8/2007	Fujita
2007/0190350 A1	8/2007	Ohno et al.
2007/0196620 A1	8/2007	Ohno et al.
2007/0204580 A1	9/2007	Kunieda
2007/0212517 A1	9/2007	Ohno et al.
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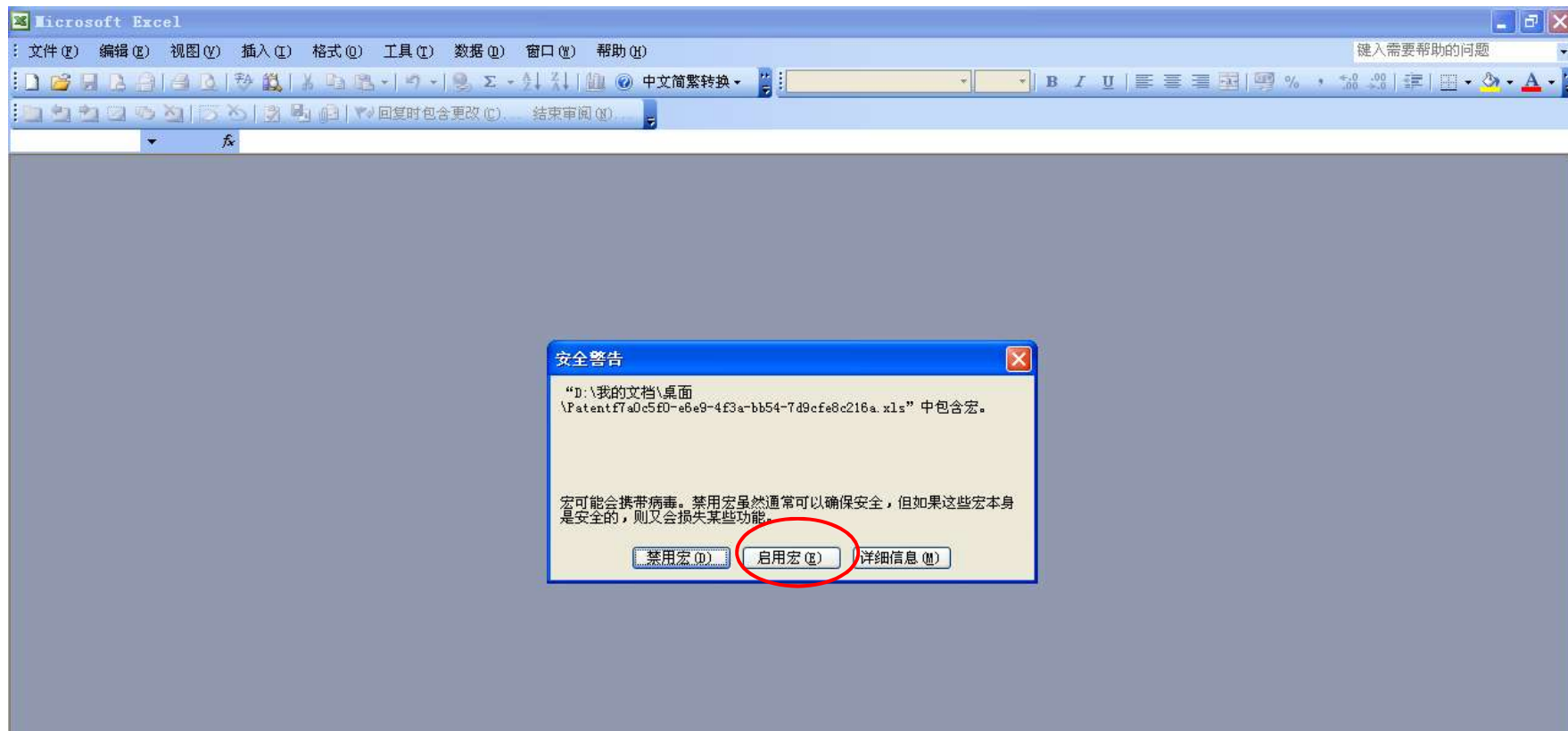
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1	07635446	Method for debinding c	2013-12-23	9	CA2619598A1 CN101243025A EP1919844A2 JP2009505933T KR2008003817 1A RU2008110950 A US2007045911 A1 US7635446B2 WO2007111633 A2 WO2007111633 A3 ZA200801157A
2	07635411	Aerogel containing blank	2013-12-23	downloading...	downloading...
3	07632784	Sintered ceramic compos	2013-12-16		
4	07632770	Industrial ceramic shaped	2013-12-16		
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