

## Automotive Dashboard Screenshots

### Key aspects of the Automotive Dashboard

The screenshot displays the Dolcera Dynamic Dashboard interface. On the left, a sidebar titled "Updates" lists "All Items", "Initial data load" (which is highlighted with a blue selection bar), and "Data update". A callout bubble from this section contains the text: "THIS SECTION CONTAINS UPDATES MADE TO THE CONTENTS OF THE DASHBOARD AT ALL PRE-DEFINED TIME INTERVALS". The main content area is titled "Summary Information - Initial data load" and includes an "Information Area" with sections for "Automotive Engines - Demo" and "Automotive Windshields - Demo". To the right is a table with columns for "Total (Ours)", "US Gran", and "P...". The table shows two rows: one for "Automotive Engines - Demo" with values 370 (0) and 0 (0), and another for "Automotive Windshields - Demo" with values 42 (0) and 0 (0). Arrows point from the "Exports patent data to a downloadable excel sheet" text to the download icons in the table. A large, bold, black watermark "FIRST PAGE" is overlaid across the bottom half of the dashboard.

Updates

All Items

Initial data load

Data update

THIS SECTION  
CONTAINS UPDATES  
MADE TO THE  
CONTENTS OF THE  
DASHBOARD AT ALL  
PRE-DEFINED TIME  
INTERVALS

Summary Information - Initial data load

Information Area

Automotive Engines - Demo

Automotive Windshields - Demo

Total (Ours)

370 (0)

US Gran

0 (0)

42 (0)

0 (0)

Exports patent data to a  
downloadable excel sheet

FIRST PAGE



## Data Filters

- ▼ Car Engine (370)
  - Folder Fuel Filter (1)
  - Folder Exhaust Processing (59)
  - Folder Valves (5)
  - Folder Heating Circuit (1)
  - Folder Mounting and Attaching (7)
  - Folder Ignition Control (23)
  - Folder Throttle (3)
  - ▶ Folder Design (0)
  - Folder Cooling (32)
  - ▶ Folder Air-Fuel Control (63)

**THIS SECTION  
ALLOWS US TO  
FILTER DATA  
INTO VARIOUS  
CATEGORIES**

- ALL COMPANIES (370)
  - Audi Nsu Auto Union Ag (3)
  - Bayerische Motoren Werke Ag (1)
  - Daihatsu Motor Co. (10)
  - Daimler Benz Ag (1)
  - Daimler Chrysler Ag (6)
  - Denso Corp (8)
  - Ford Global Tech (1)
  - Ford Motor (1)
  - Hitachi (29)
  - Honda Motor Co Ltd (50)
- No Date Filter ▾
- All Patent Types ▾
- All Tags ▾

## Information

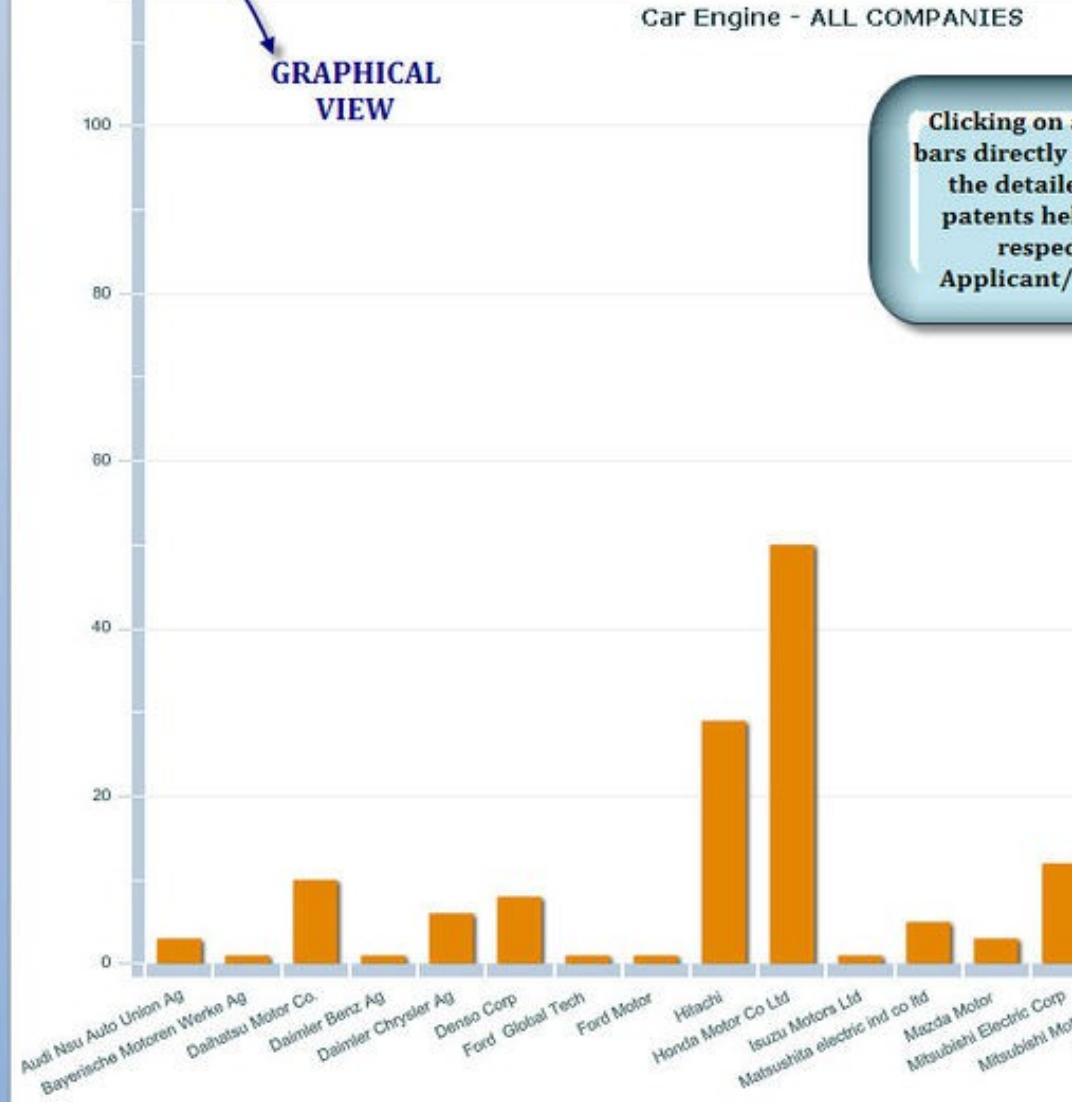
Patent Charts Patents ⓘ

Company Statistics

Timeline by Pub Year | Timeline by App Year

Car Engine - ALL COMPANIES

**GRAPHICAL  
VIEW**



Clicking on a bar directly provides the detailed information for the respective Applicant/Assignee.

**Data Filters**

|   |                            |
|---|----------------------------|
| ▼ | Car Engine (370)           |
|   | Fuel Filter (1)            |
|   | Exhaust Processing (59)    |
|   | Valves (5)                 |
|   | Heating Circuit (1)        |
|   | Mounting and Attaching (7) |
|   | Ignition Control (23)      |
|   | Throttle (3)               |
| ▶ | Design (0)                 |
|   | Cooling (32)               |
| ▶ | Air-Fuel Control (63)      |

Matsushita electric ind co ltd (5)

Mazda Motor (3)

Mitsubishi Electric Corp (12)

Mitsubishi Motors Corp (14)

Nippon Group Ltd (19)

Nissan Motor (51)

Robert Bosch Gmbh (10)

Suzuki Motor Co. (27)

Toyota (115)

Volkswagen Ag (1)

Yamaha Motor Co Ltd (2)

No Date Filter

All Patent Types

All Tags

**Information****Patent Charts****Patents****DETAILED LIST****VIEW**

| Publication | Title  |
|-------------|--|
| JP58107822A | Air-fuel ratio control method of internal-combustion engine for car                      |
| JP58126446A | Deceleration control method of internal-combustion engine                                |
| EP0182034A1 | Piston for internal combustion engine  |
| CA1244263A1 | Crank damper pulley structure for the internal combustion engine of a car                |
| EP0182034B1 | Piston for internal combustion engine  |
| EP0811757A2 | An apparatus for controlling auxiliary equipment driven by an internal combustion engine |
| EP0811757A3 | An apparatus for controlling auxiliary equipment driven by an internal combustion engine |
| EP0859132A1 | Exhaust emission control apparatus for internal combustion engine                        |
| EP0921288A1 | Internal combustion engine having combustion heater                                      |
| CA2262128A1 | Internal combustion engine having combustion heater                                      |
| EP0939210A2 | Internal combustion engine having combustion heater                                      |
| EP0939210A3 | Internal combustion engine having combustion heater                                      |
| EP0859132A4 | Exhaust emission control apparatus for internal combustion engine                        |
| EP1013903A2 | Exhaust emission control system of hybrid car  |
| EP1013903A3 | Exhaust emission control system of hybrid car  |
| EP0811757B1 | An apparatus for controlling auxiliary equipment driven by an internal combustion engine |
| EP0859132B1 | Exhaust emission control apparatus for internal combustion engine                        |
| CA2262128C  | Internal combustion engine having combustion heater                                      |
| EP1013903B1 | Exhaust emission control system of hybrid car  |
| EP0939210B1 | Internal combustion engine having combustion heater                                      |
| EP0921288B1 | Internal combustion engine having combustion heater                                      |

**EP0939210A3****Internal combustion engine having combustion heater**Claims:  
null**US Class (primary): null****IPC Class (primary): F01P00320****Abstract:**

Disclosed is an internal combustion engine having a combustion heater of

**EP0939210A3****Rating:****Tags:**

## Data Filters

- ▼ Car Engine (370)
  - ▶ Fuel Filter (1)
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No Date Filter ▾

All Patent Types ▾

All Tags ▾

## Information

Patent Charts Patents ⓘ

Publication Title

JP58025520A

EP0939210A2  
Internal combustion engine  
having combustion heater

**PULLS UP  
THE FIRST  
PAGE OF  
EACH PATENT  
DOCUMENT**



European Patent  
European Patent Office  
Office européen des brevets

(11)

EUROPEAN PATENT APPLICATION

(12) Date of publication:  
01.09.1996 Bulletin 1996/06

(51) Int. Cl.: F02

(21) Application number: 95192411.0

(22) Date of filing: 06.02.1995

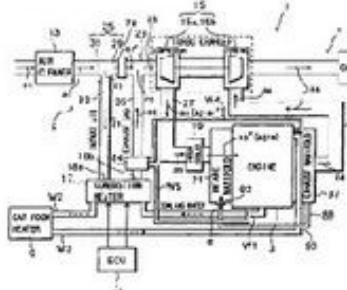
(84) Designated Contracting States:  
AT BE CH CY DE DK EG FI FR GB GR IE IT LU  
MC NL PT SE  
Designated Extension States:  
AL LT LV MK RO SI

(72) Inventor:  
Makoto Suzuki  
Toyota Motor Corporation  
Toyota-shi,  
Aichi-ken 471-0571 (JP)

(31) Priority: 27.02.1995 JP 4402948  
05.06.1995 JP 22214758

(74) Representative:  
Petermann, H.  
Praesentanz  
Tiefe-DR  
Baustrasse  
83136 Munchen

(54) Internal combustion engine having combustion heater  
(57) Disclosed is an internal combustion engine having a combustion heater of a type of introducing a combustion gas into an intake system, in which an airfuel ratio is prevented from becoming rich, and NOX and particulate matters are to be reduced even when the internal combustion engine is combined with an EGR device. The internal combustion engine has the combustion heater provided in an intake system, for speeding up warm-up of the internal combustion engine and enhancing a performance of a car room heater by guiding the combustible gas emitted from the combustor.



EP 0939210 A2

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2/16/2006

## Data Filters

|                                    |
|------------------------------------|
| Car Engine (370)                   |
| Fuel Filter (1)                    |
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| Valves (5)                         |
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| Throttle (3)                       |
| Design (0)                         |
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| Nissan Motor (51)                  |
| Robert Bosch Gmbh (10)             |
| Suzuki Motor Co. (27)              |
| <b>Toyota (115)</b>                |
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| Yamaha Motor Co Ltd (2)            |
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|               | EP0921288B1 | Internal combustion engine having combustion heater                       |

EP0939210A3

Internal combustion engine having combustion heater

US Class (primary): null

IPC Class (primary): F01P00320

Abstract:

Disclosed is an internal combustion engine having a combustion heater of

—  
1  
2  
3

Rating Feature

Claims:  
null

EP0939210A3

Rating: 1

Tags:



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- Denso Corp (8)
- Ford Global Tech (1)
- Ford Motor (1)
- Hitachi (29)
- All Tags
- hiji
- peter** 
- imp
- peter

## Information

Patent Charts Patents 

Publication

Title

JP52001825A

Method of operation of car engine

**PULLS UP THE DOCUMENT  
TAGGED "peter"**

Tagging  
Feature

**JP52001825A**

**METHOD OF OPERATION OF CAR ENGINE**

**US Class (primary): null**

**IPC Class (primary): B60K03100**

**Abstract:**

PURPOSE: Method of operation of car engine, utilizing characteristics of

Claims:  
null

**JP52001825A**

Rating:

3

▼

Tags:

peter