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Components of Hybrid Electric Vehicles

https://marketpublishers.com/r/CB7E20B7E37EN.html
Date: August 2018
Pages: 139
Price: US$ 1,375.00 (Single User License)
ID: CB7E20B7E37EN

Abstracts

Report Scope

Hybrid electric vehicles have become one of the most promising new markets for OEM's. An increasing number of functions that traditionally were performed by mechanical or electrical systems are now handled by electronics. Automobiles are experiencing a technological revolution. Global warming, climate change and air quality issues have combined with the dramatic fluctuation of oil prices to deliver an imperative for motor vehicle manufacturers to introduce radically more fuel-efficient vehicles to the market.

Toyota, Honda, Ford, Chevrolet, BMW, Volvo and BYD, among others, are leading the world in car innovations including the design of highly sophisticated hybrid electric vehicles.

Market data contained in this report quantifies opportunities for manufacturers of hybrid electric vehicle components. In addition to identification of mechanical and electrical component types, it also covers the many issues concerning the merits of and prospects for the hybrid electric vehicle business. This includes corporate strategies, emerging technologies and the means for providing low cost, high technology products. Also covered in detail are the economic and technological issues regarded by many as critical to the industry's current state of change. The report reviews the components industry related to hybrid electric vehicles and its structure and many companies involved in providing these products. Competitive positions of the major players in the market and the strategic options they face are also discussed in the report.

Values presented in the forecasted tables represent the values of components as purchased from the suppliers by OEM's companies, excluding the cost of marketing, assembling and distribution. In this report, the term "revenue" is equivalent to and is

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used interchangeably with purchase, demand and sales.

Report Includes:

55 data tables and 38 additional tables

An overview of the global market for components of hybrid electric vehicles within the industry

Country specific data and analysis for United States, Mexico, France, Germany, U.K., China, India, Japan, Middle East and Africa

Key components assessments for full and mild hybrids and detailed analysis of original equipment manufacturers (OEMs) related to hybrid electric vehicles

Analyses of the components used in hybrid electric vehicles and production potential, and issues facing the sale and marketing of hybrid electric vehicles in end use markets

Market dynamics of thirteen types of major components of hybrid systems, including engines, batteries, traction motors, generators, regenerative braking, electric power steering, electrical compressors, high-voltage wiring, electronic control units, integrated power units, converters and inverters

Profiles of major companies in the hybrid electric vehicles market, including Aisin Seiki Co. Ltd., Blue Energy Company Ltd. (Gs Yuasa), Denso Corp, Hitachi Automotive Systems, Ltd., and Robert Bosch GmbH

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A123 SYSTEMS, LLC

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AISIN SEIKI CO. LTD.

Products Offered
Financials
Recent Developments

APTIV PLC

BLUE ENERGY COMPANY LTD. (GS YUASA)

BORGWARNER INC.

BYD COMPANY LTD.

CHINA AUTOMOTIVE SYSTEMS INC.

CONTINENTAL AG

Products Offered
Financials
Recent Developments

DENSO CORP.

Products Offered
Financials
Recent Developments

EATON CORP. PLC

Products Offered
Financials

FUJI ELECTRIC CO. LTD.

Recent Developments

GS YUASA CORP.

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Products Offered
Financials
Recent Developments

HITACHI AUTOMOTIVE SYSTEMS, LTD.

Products Offered
Financials
Recent Developments

JATCO LTD.

Products Offered
Financials
Recent Developments

JOHNSON CONTROLS INC.

KEIHIN CORP.

Recent Developments

LG CHEM, LTD.

MAGNA INTERNATIONAL INC.

MAGNETI MARELLI S.P.A.

MAXWELL TECHNOLOGIES INC.

Products Offered
Financials
Recent Developments

NSK LTD.

Recent Developments

PRIMEARTH EV ENERGY CO. LTD.

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Recent Developments

ROBERT BOSCH GMBH

Products Offered
Financials
Recent Developments

SAFT GROUPE SA

SAMSUNG SDI CO., LTD.

SIEMENS AG

SCHAEFFLER AG

Recent Developments

TOYOTA MOTOR CORP.

Products Offered
Financials
Recent Developments

UQM TECHNOLOGIES INC.

VALEO S.A.

Overview

VISTEON CORP.

YAZAKI CORP.

ZF FRIEDRICHSHAFEN AG

Recent Developments

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