



US 20040069548A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2004/0069548 A1**

Kira et al.

(43) **Pub. Date: Apr. 15, 2004**

(54) **HYBRID VEHICLE**

(30) **Foreign Application Priority Data**

(75) Inventors: **Nobuhiro Kira**, Saitama (JP); **Tetsuya Hasebe**, Saitama (JP); **Ryo Nishikawa**, Saitama (JP)

Sep. 20, 2002 (JP) P.2002-274315

Publication Classification

Correspondence Address:
ARENT FOX KINTNER PLOTKIN & KAHN, PLLC
Suite 400
1050 Connecticut Avenue, N.W.
Washington, DC 20036-5339 (US)

(51) **Int. Cl.⁷** **B60K 1/00**

(52) **U.S. Cl.** **180/65.3; 180/65.4**

(57) **ABSTRACT**

In a hybrid vehicle in which front wheels are driven by an engine and a front motor, and rear wheels are driven by a main rear motor and a sub rear motor, both main rear motor and the sub rear motor are driven when a large driving force is required as when the vehicle is driven at low speed to haul a trailer or the like or to run on a sandy ground, whereas when the required driving force is small, only the main rear motor is driven.

(73) Assignee: **HONDA GIKEN KOGYO KABUSHIKI KAISHA**

(21) Appl. No.: **10/663,764**

(22) Filed: **Sep. 17, 2003**

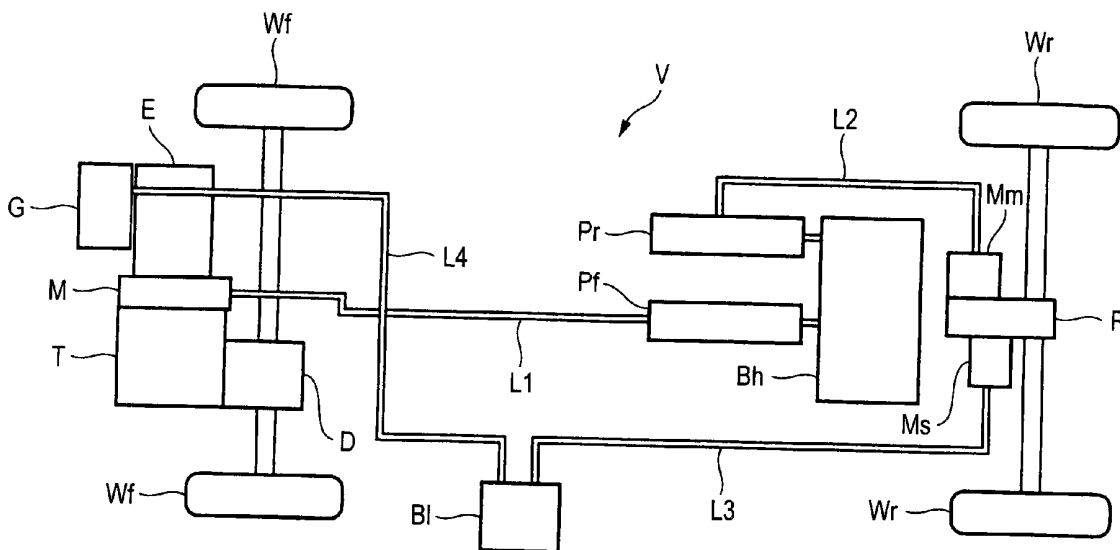


FIG. 1

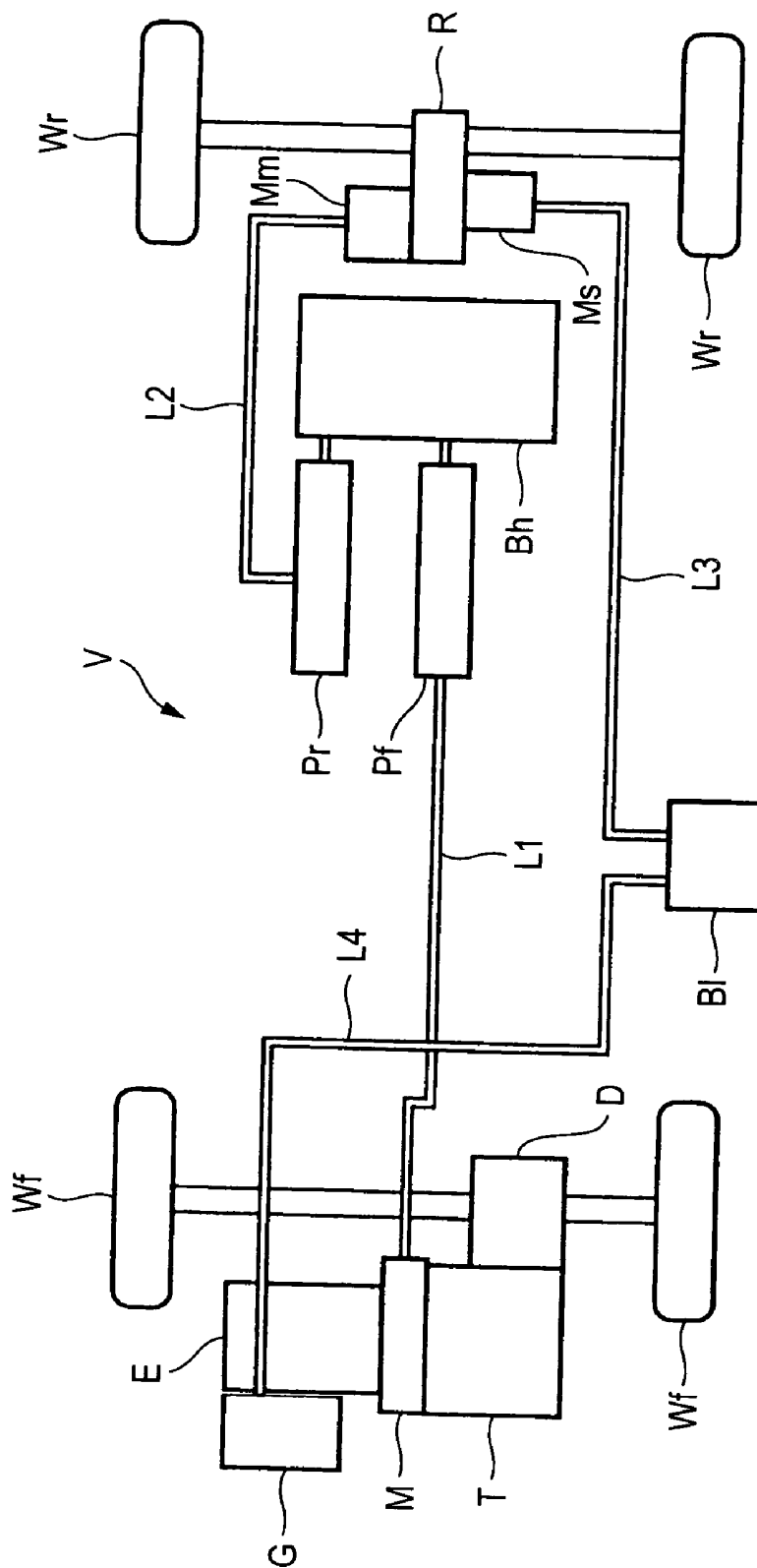


FIG. 2

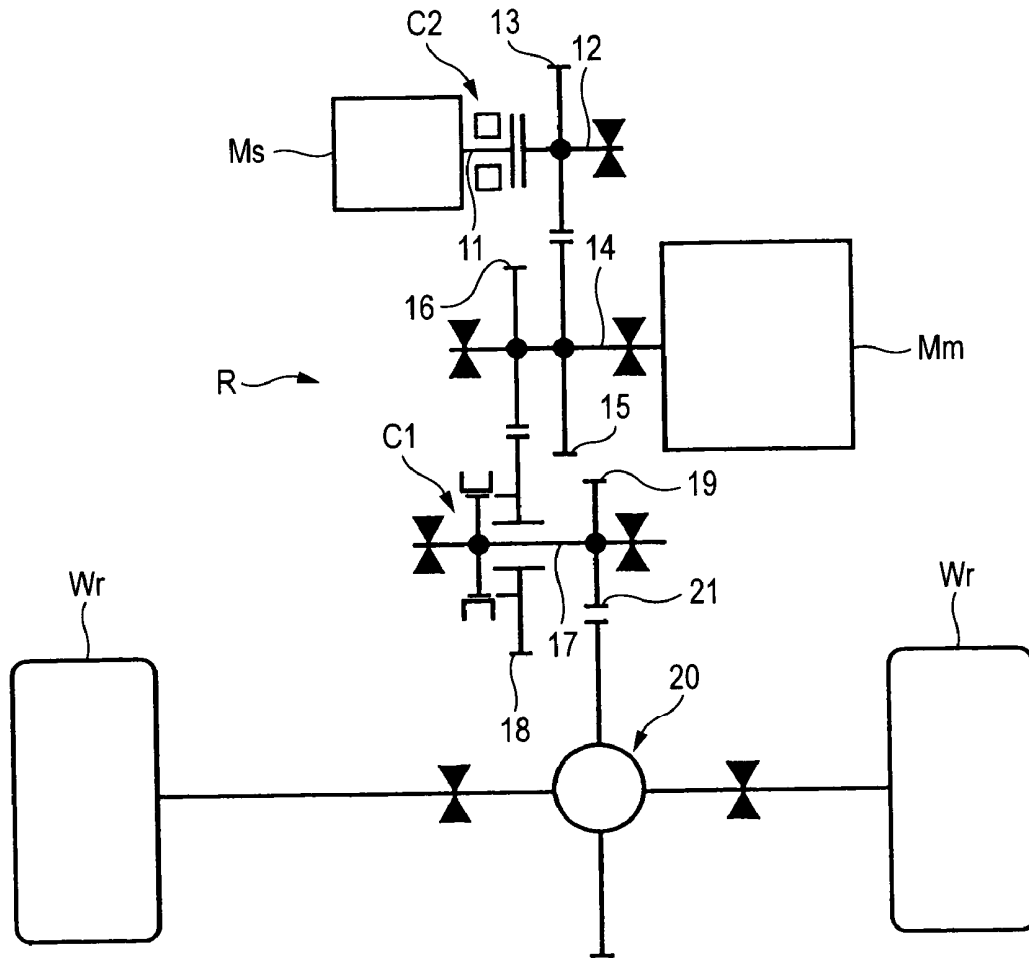


FIG. 3

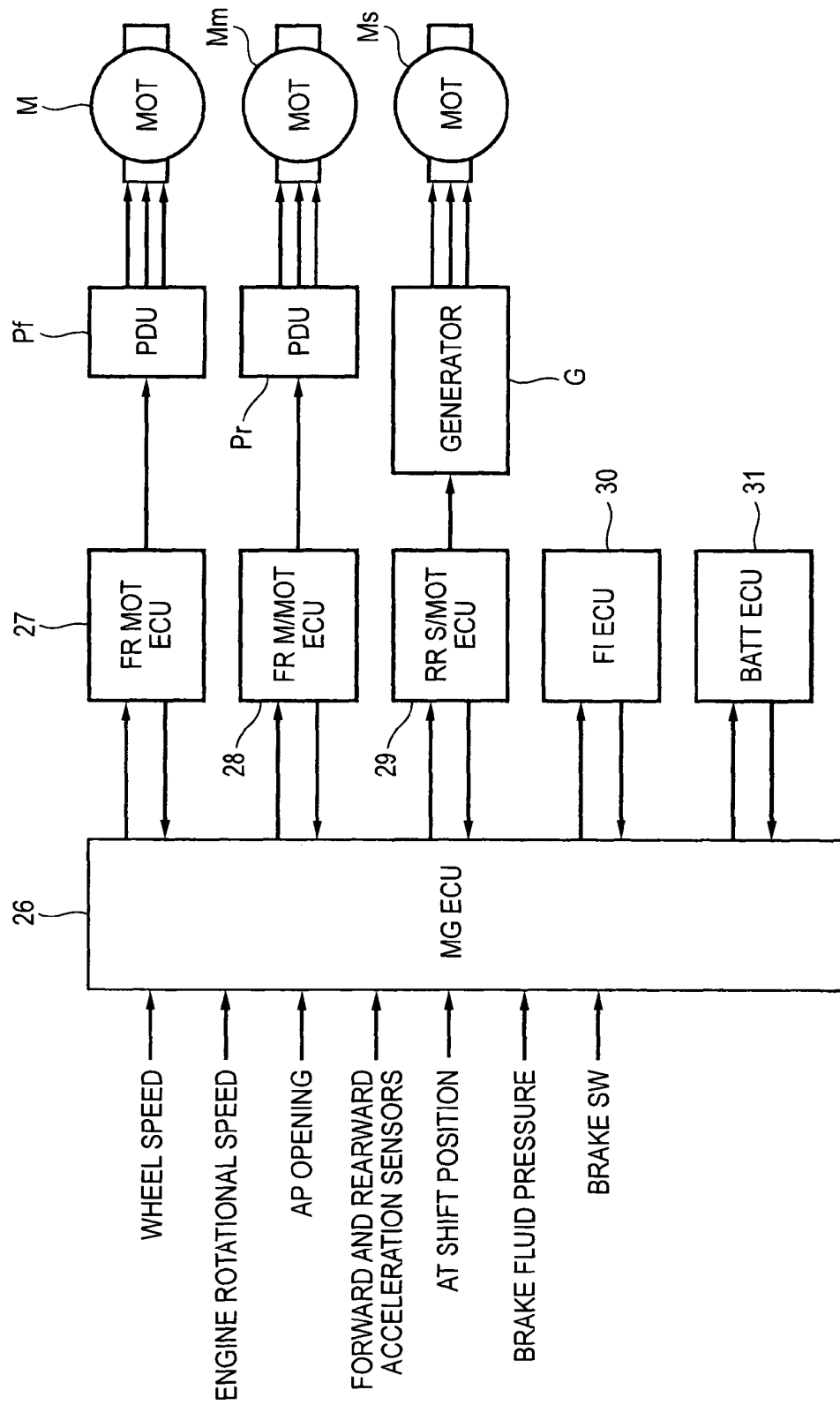
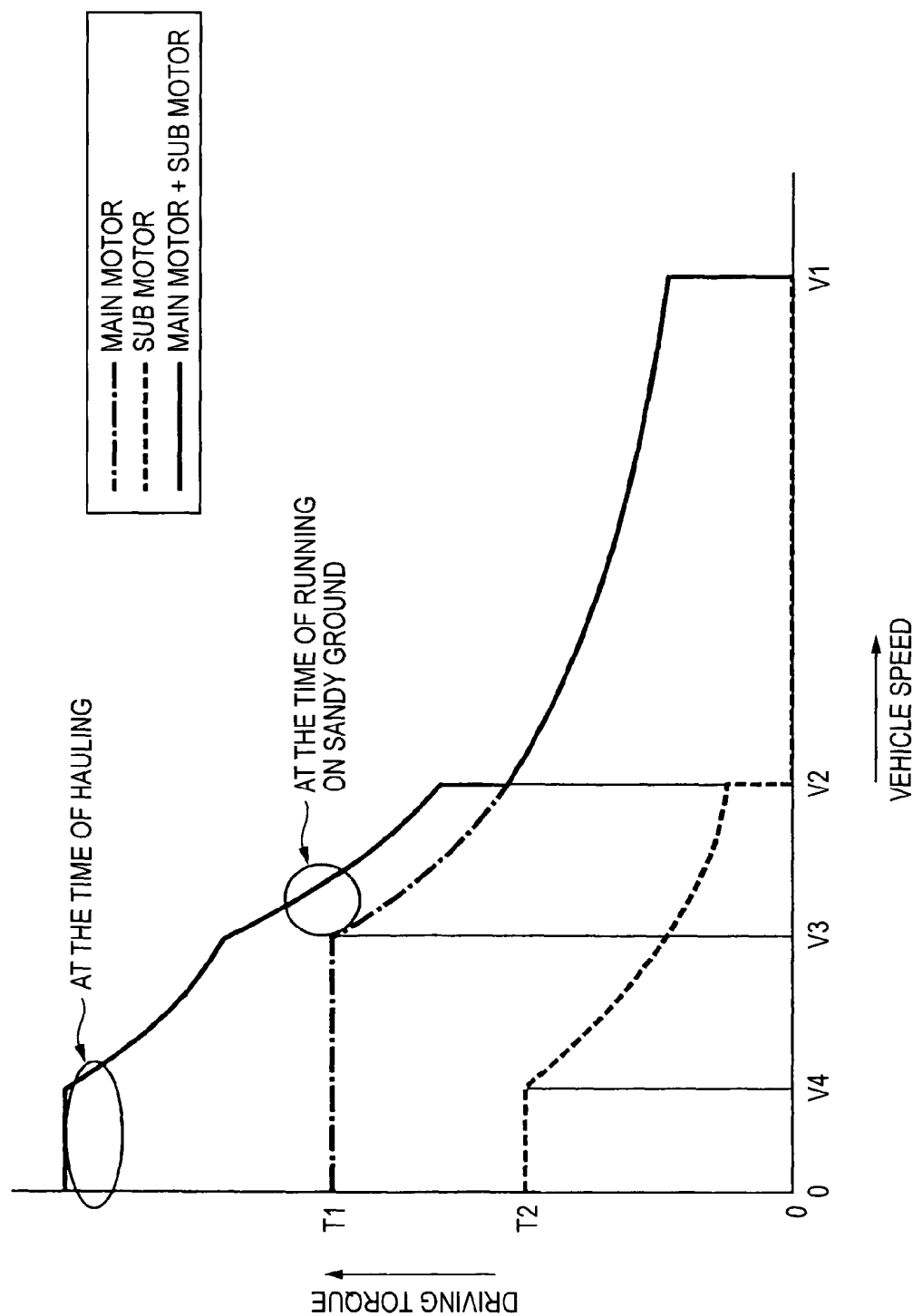


FIG. 4



Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.