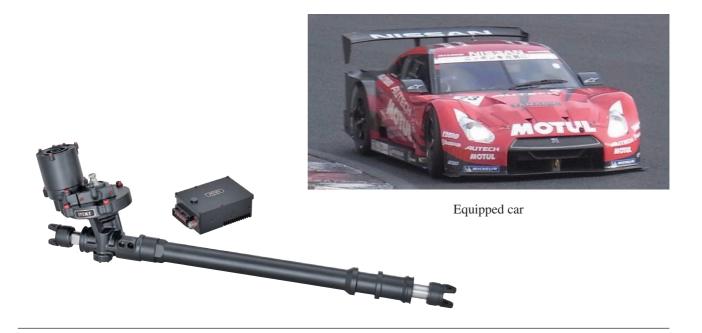
Pinion Type Electric Power Steering System for the Racing Car

Lightweight pinion-type electric power steering for severe condition in races has been developed for the racing car.



Features

-High maneuverability close to the hydraulic power steering.

-Quick response under high load by curbs and high speed cornering.

-High durability for frequent vibration and high temperature.

1. Conditions of Use

- (1) Equipped car: Super GT500 Racing car
 - · Weight: 1 100 kg
 - · Drive system: FR
 - · Engine displacement: 3 396 cc
 - Maximum output: Over 530 ps
 - · Maximum torque: Over 441 N·m
- (2) Equip location: Engine room (steering), in the cabin (controller)

2. Structure

- (1) Pinion-type electric power steering
- (2) High-strength, High-efficiency reducer
- (3) Carbon/aluminum hybrid rack
- (4) Controller: High output, high response control

(Advanced Core Technology Research Dept., Research & Development Headquarters)

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