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Graf et al.

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(54) **DRIVE TRAIN CONTROL FOR A MOTOR VEHICLE**

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(*) Notice: Under 35 U.S.C. 154(b), the term of this patent shall be extended for 0 days.

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Sep. 12, 1996 (DE) 196 37 210

(51) **Int. Cl.**⁷ **B60K 41/04**; F02D 28/00

(52) **U.S. Cl.** **701/58**; 701/54; 180/65.2

(58) **Field of Search** 701/51, 58, 60, 701/61, 54, 53, 48, 57; 180/65.2; 477/20, 107, 109, 110

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(57) **ABSTRACT**

An integrated drive train control system for a motor vehicle interprets the position of the accelerator pedal and the brake pedal as a wheel torque desired by the driver. A calculating device receives signals representing the positions of the accelerator pedal and the brake pedal. Central control parameters for the drive sources and for the decelerating units of the drive train are generated on the basis of the position signals. A classification device evaluates the sensor signals from the drive train and classifies operating parameters of the motor vehicle.

8 Claims, 5 Drawing Sheets

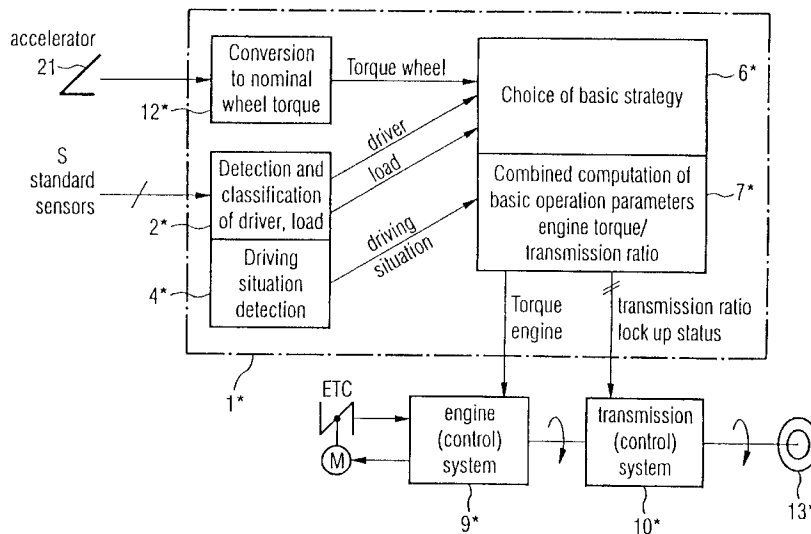


FIG.1

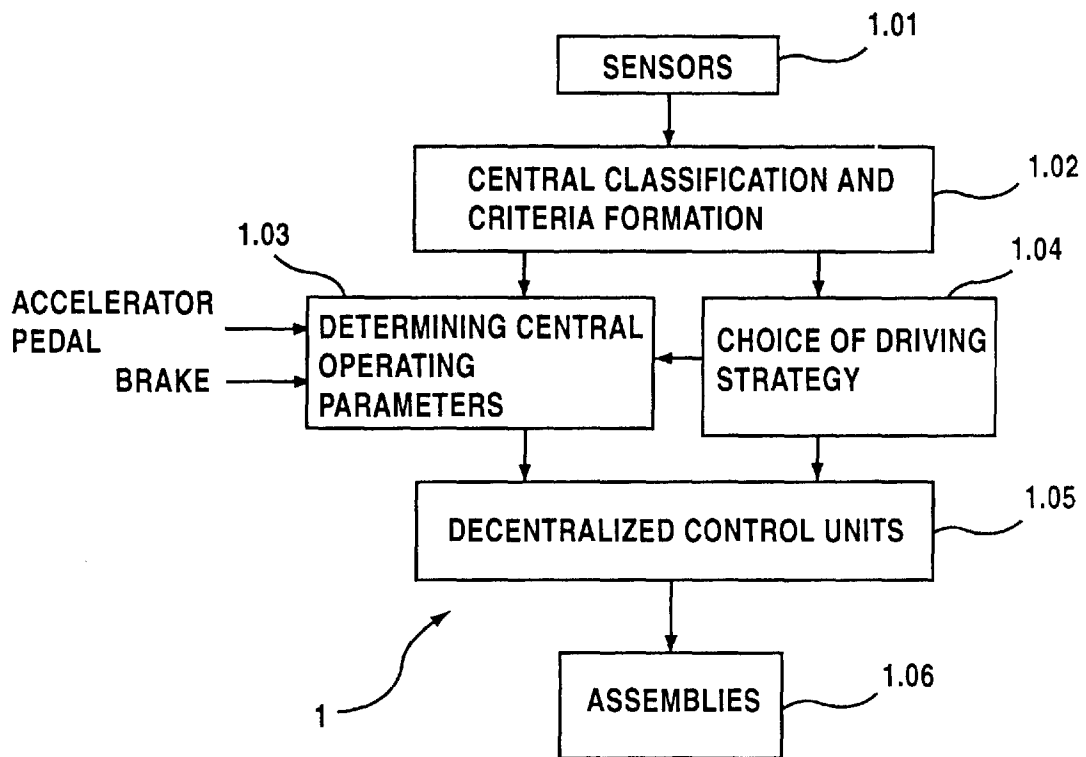
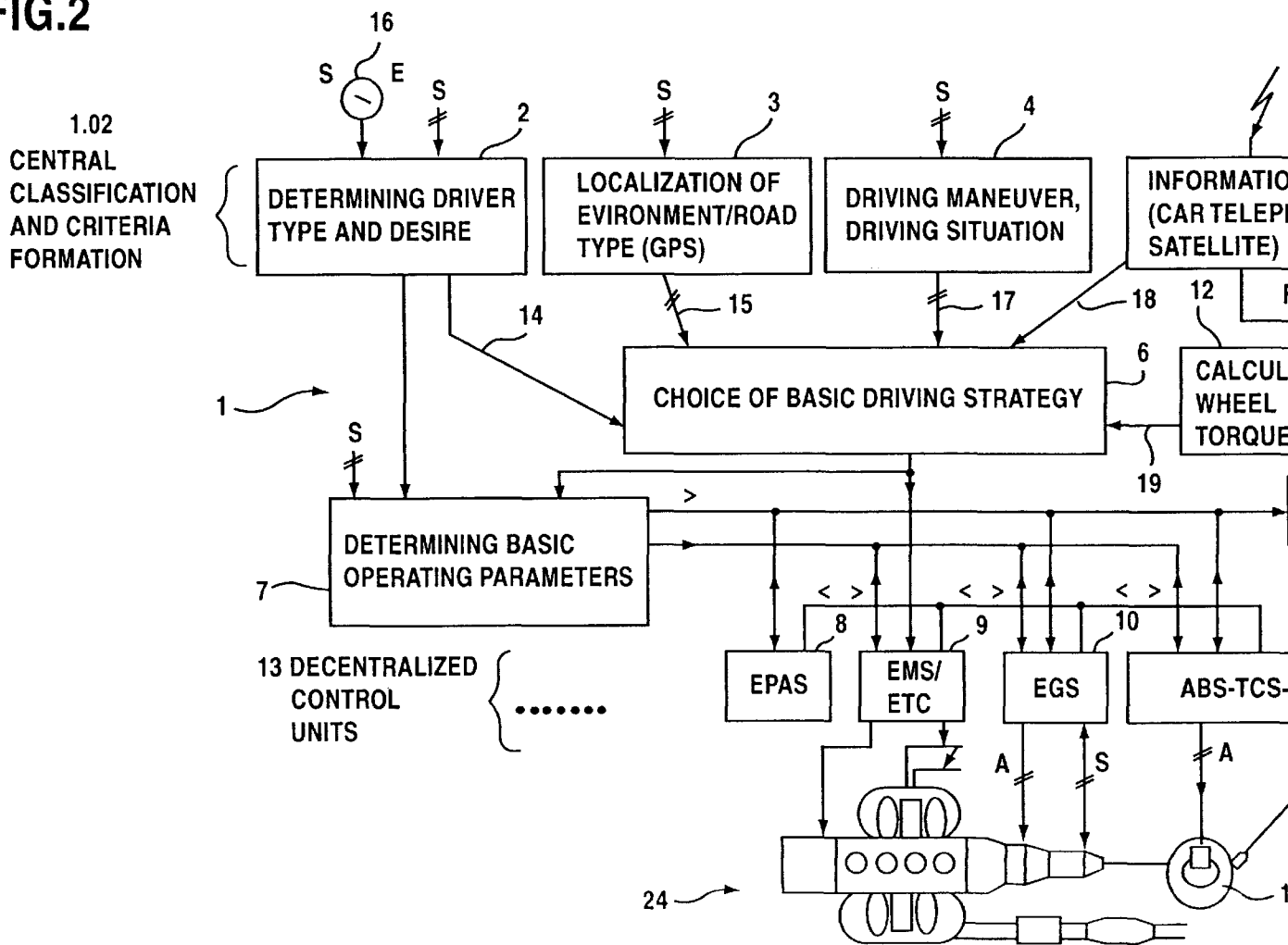


FIG.2



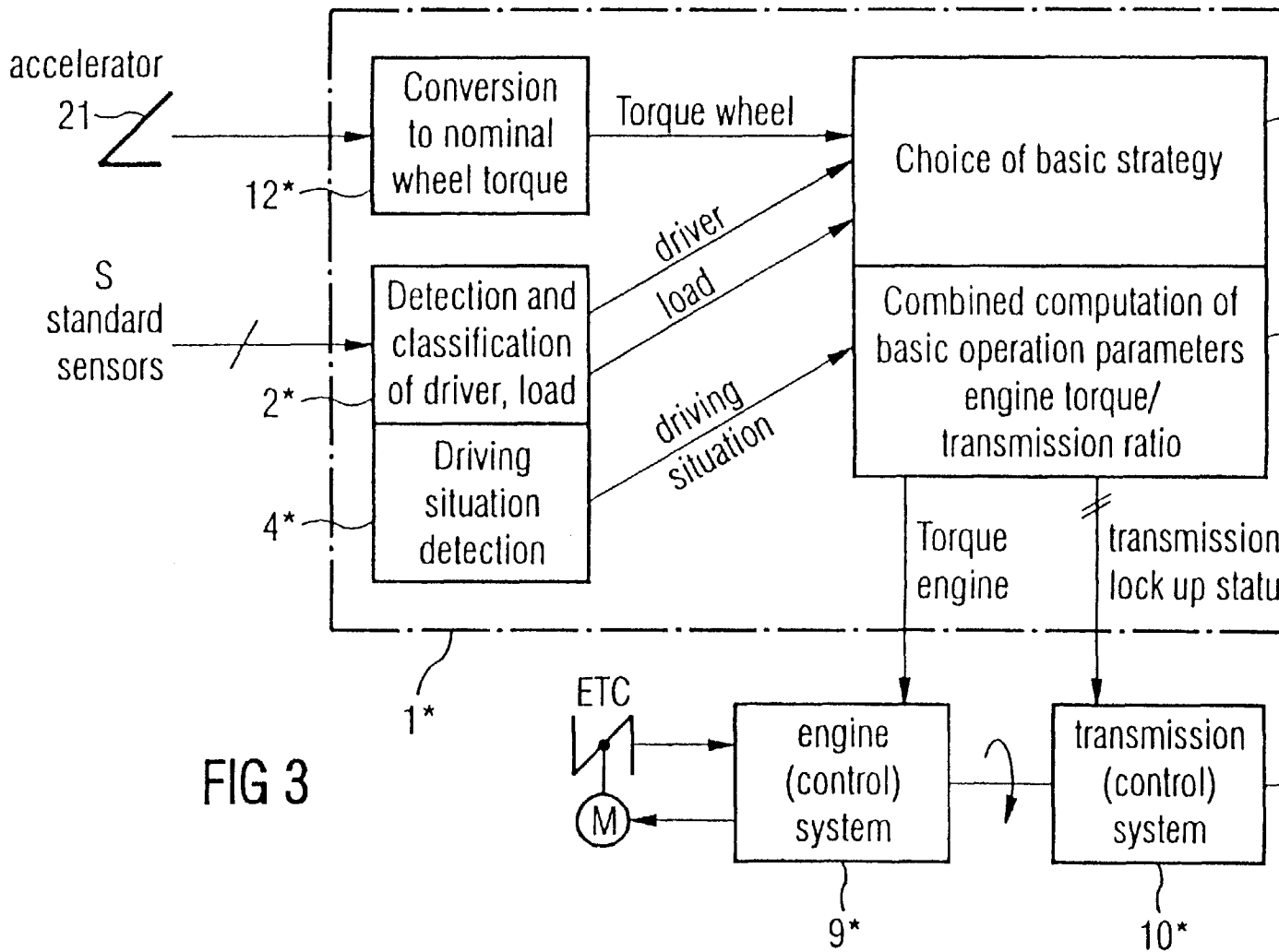
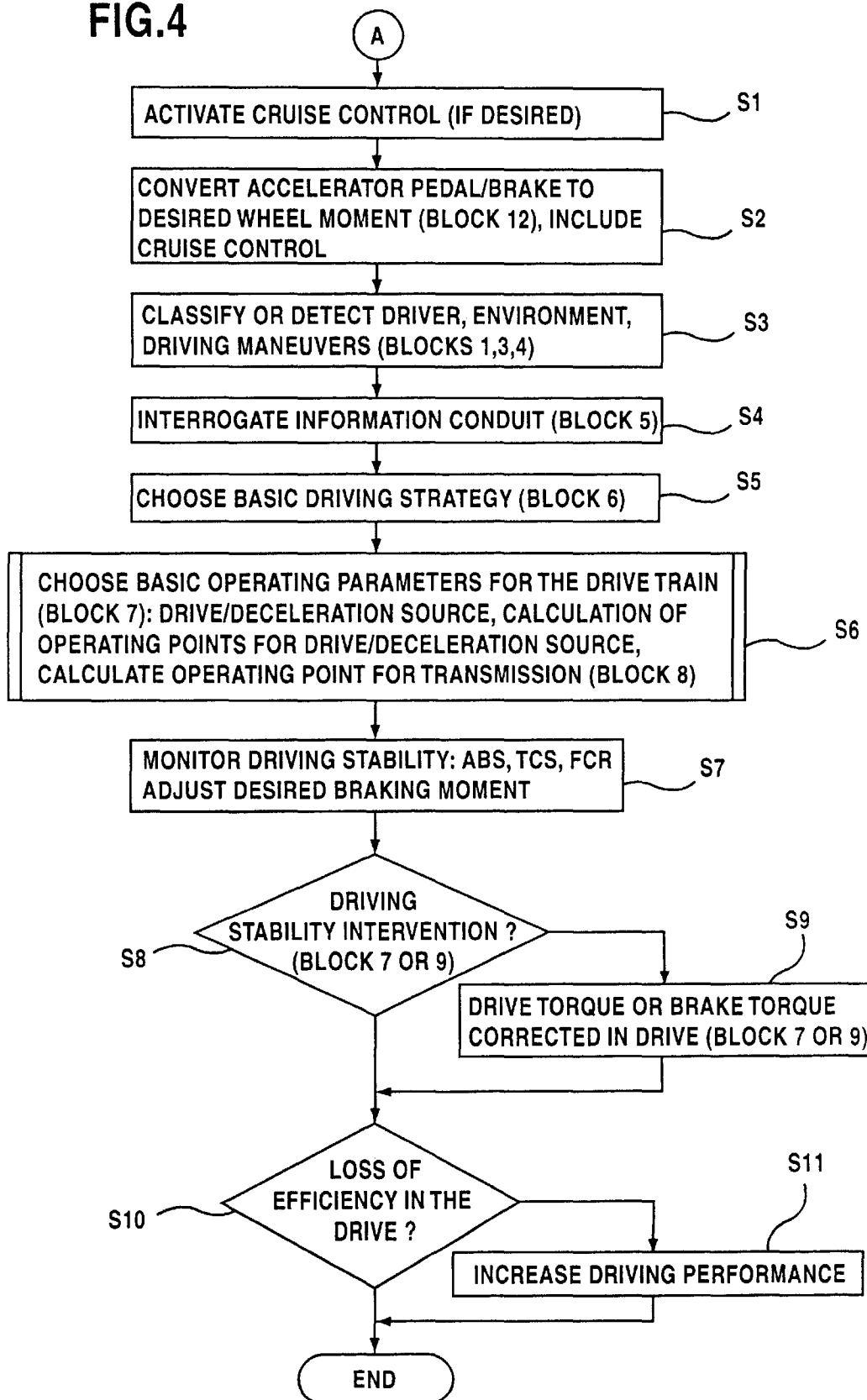


FIG 3

FIG.4



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