

Title (en)
CONTROL SYSTEM

Title (de)
STEUERUNGSSYSTEM

Title (fr)
SYSTÈME DE COMMANDE

Publication
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Application
EP 16703099 A 20160203

Priority
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Abstract (en)
[origin: GB2534886A] The present disclosure relates to a control system for controlling a dynamic system of a vehicle (10 fig. 1). The control system comprises; an input 28 for receiving measured vehicle parameters in real time during a wheel slip event. The control system also comprises a controller 26 including an algorithm arranged to calculate a maximum tire-road adhesion coefficient, k_{max} , in real time based on the measured vehicle parameters. The controller 26 is arranged to generate a command signal arranged to configure a dynamic system of the vehicle for operation based on the adhesion coefficient, k_{max} . The control system also comprises an output 30 for outputting the command signal to the dynamic system of a vehicle. k_{max} is calculable during two or more vehicle modes, said vehicle modes including a stationary mode, a traction mode, and a braking mode.

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