

(54) Title of the invention : STEERING ASSIST SYSTEM WITH HAPTIC FEEDBACK FOR ENHANCED DRIVER EXPERIENCE

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(57) Abstract :
 Accordingly, embodiments herein disclose a steering assist system with haptic feedback for enhanced driver experience, comprising of: a control system including a steering haptic feedback controller that provides a dither angle command signal on line and a dither current command signal on line. The dither angle command signal is added to a steering signal from a controller by an adder that causes a hand-wheel to vibrate when an active front steering (AFS) controller is providing a steering angle signal for stability control. The dither current command signal is sent to a steering assist controller that causes the tension applied to the hand-wheel provided and released to vibrate if the steering control is being provided when the hand-wheel is turned.

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