

Title (en)
WHEEL FASTENER ALARM

Title (de)
ALARM FÜR RADBEFESTIGUNGSMITTEL

Title (fr)
ALARME D'ÉLÉMENT DE FIXATION DE ROUE

Publication
EP 4228933 A1 20230823 (EN)

Application
EP 21881006 A 20211013

Priority
• US 202017069649 A 20201013
• US 2021054805 W 20211013

Abstract (en)
[origin: WO2022081726A1] A wheel fastener alarm assembly is provided having a fastener body with a first portion defining a wrenching surface and a cavity, and a second portion with a threaded portion to attach and detach from a wheel of a vehicle. A sensor array is disposed in the cavity of fastener body to detect an attribute of the fastener body and generate an output signal based on the attribute of the fastener body. An antenna connected to the sensor array to transmit the signal to a remote location. A cap is secured to the first portion of the fastener body and covers the wrenching surface and the cavity opening to define a capped fastener body.

IPC 8 full level
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CPC (source: EP KR)
B60B 3/165 (2013.01 - KR); **F16B 37/14** (2013.01 - EP KR); **F16B 41/005** (2013.01 - EP KR); **G07C 5/08** (2013.01 - KR); **G08B 13/02** (2013.01 - EP KR); **G08B 13/14** (2013.01 - EP); **G08B 25/10** (2013.01 - EP KR); **B60B 3/165** (2013.01 - EP); **B60B 2900/3318** (2013.01 - EP KR); **G07C 5/08** (2013.01 - EP)

Designated contracting state (EPC)
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KH MA MD TN

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