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(57) Abstract :

A drum break repairing device for vehicles, comprising an L-shaped platform 1 with an image capturing module 2 to locate the wheels 3 of vehicle, multiple omnidirectional wheels 3 to deliver motion to platform 1, a pair of robotic arm 4 to grip the wheel tyre, a motorized spanner 5 to disassemble the tyre and the hub, multiple links 9 connected to a motorized wheel 10 by means of a primary shaft 11 to orient the links 9 in a particular direction, a hammering unit 12 mounted on one of the links 9 to hit the outer portion of hub, a secondary shaft 18 coupled with the motor 13 assembled on platform 1, a cylindrical member 16 connected to the secondary shaft 18 and engaged with outer portion of the hub to rotate the hub in order to check proper rotation of hub.

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