Title (en)

DISC BRAKE FOR OFF-ROAD OR ROAD BICYCLES, WITH A CALLIPER BUILT INTO THE FRONT FORK OR THE REAR WHEEL FRAME OF THE BICYCLE STRUCTURE

Title (de)

SCHEIBENBREMSE FÜR GELÄNDE- ODER STRASSENFAHRRÄDER MIT IN DIE STRUKTUR DES FAHRRADES INTEGRIERTER BREMSZANGE, VORDERRADGABEL ODER HINTERRADRAHMEN

Title (fr)

FREIN DISQUE POUR CYCLES VTT OU ROUTE, A ETRIER INTEGRE DANS LA STRUCTURE DU CYCLE, FOURCHE AVANT OU CADRE DE ROUE ARRIERE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2004085235A1] The invention relates to the incorporation of a disc brake calliper in available locations on a bicycle structure, namely either the front wheel fork or the stays or swing arms of the rear wheel frame. In the hydraulically controlled mode, the detachable calliper (6) and the fork blade (or fork frame) (14) are rigidly interconnected via screws 01 and 02 (12, 13). The hydraulic fluid flows from the hose (11) (which is in turn connected to the brake lever) to the fork blade (or fork frame) via screw 03 (10) then from the fork blade (or fork frame) (14) to the detachable calliper (6) via channel 01 (8). The pressurised fluid actuates the pistons (15), which in turn actuate the brake pads (7). When braking, the pads are urged against the disc. Said disc brake is characterised by improved rigidity, a lighter weight and an enhanced design.

IPC 1-7

B62L 1/00; B62L 3/02; F16D 55/228

IPC 8 full level

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CPC (source: EP)

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