

Title (en)
BROOM BOOM FOR A TUNNEL CLEANING APPARATUS

Publication
EP 0184577 A3 19870603 (DE)

Application
EP 85890282 A 19851114

Priority
AT 384284 A 19841204

Abstract (en)
[origin: EP0184577A2] 1. A tunnel-washing vehicle comprising a brush boom which has an adjustable working length and which at one end is pivoted to a holder (3) of the vehicle (1) about a vertical axis and an axis (4) which is transverse thereto and said boom extends rearwardly from the holder (3) and is pivotally movable about said axis to extend in a working position at an acute angle to the vehicle (1) and at its free end carries a roller brush (19), which is pivoted on the longitudinal axis of the boom and is drivable to rotate about the transverse axis of the roller, characterized in that the boom is constituted at least in a major part of its length by a cylinder-piston unit (6, 7), which is pneumatically or hydraulically telescopically adjustable in length, the roller brush (19) is pivotally movable about the longitudinal axis of the boom from the vehicle-side end of the boom by means of a hydraulic or pneumatic actuator (21) which acts on the piston (7) and with utilization of the rotatability of the piston (7) in the cylinder (6) of the cylinder-piston unit (6, 7) and an overload clutch (23) is provided in the drive train between the actuator (21) and the roller brush (19).

IPC 1-7
E01H 1/00

IPC 8 full level
E01H 1/00 (2006.01)

CPC (source: EP)
E01H 1/005 (2013.01)

Citation (search report)
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• [Y] DE 3120303 A1 19821007 - FERGUSON MACHINE [BE]
• [Y] FR 2266768 A1 19751031 - DUMONT JEAN [FR]
• [A] DE 1658405 A1 19701105 - MATERIEL DE VOIRIE
• [AD] FR 2338350 A1 19770812 - ZELLINGER GMBH [AT]

Cited by
EP0972947A3; DE29603775U1; CN107366248A; CN110694308A; EP0972947A2

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DOCDB simple family (publication)
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