

Title (en)

Device for storing and loading reinforced rods for the front and vault of a tunnel

Title (de)

Vorrichtung zur Lagerung und Beladung von verstärkten Stäben für die Front und das Gewölbe eines Tunnels

Title (fr)

Dispositif de stockage et chargement des tiges renforcées pour le front et la voûte d'un tunnel

Publication

EP 0953725 B1 20040609 (EN)

Application

EP 99107628 A 19990416

Priority

IT TO980370 A 19980430

Abstract (en)

[origin: EP0953725A2] Device for storing and loading reinforced rods for the front and vault of a tunnel mounted on a machine for the preventive consolidation of excavations in tunnels in correspondence to a working unit (19) of the machine, which is in turn mounted in correspondence to one end of telescopic standards (14, 15) hinged to the frame (10) of the machine itself, comprising a number of tubes (39) flanking each other containing the rods (36, 37, 38) for feeding to the working unit (19) singularly and selectively by means of a tapered conveyor (34) with a funnel (35); thrusting means (44) with fingers (40, 41, 42) which are longitudinally spaced are positioned in correspondence to the ends of each rod (36, 37, 38) opposite those fitted into the conveyor (34). <IMAGE>

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IPC 8 full level

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CPC (source: EP US)

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Cited by

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EP 0953725 A2 19991103; **EP 0953725 A3 20030122**; **EP 0953725 B1 20040609**; AT E268862 T1 20040615; ES 2222636 T3 20050201; IT TO980370 A1 19991030; JP 2000002097 A 20000107; JP 4397998 B2 20100113

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EP 99107628 A 19990416; AT 99107628 T 19990416; ES 99107628 T 19990416; IT TO980370 A 19980430; JP 12505099 A 19990430