

ABSTRACT

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This system (100) for fastening a cutting tool (1) on a cutting head of a tunnel boring machine, comprising a housing (3) secured to the cutting head, in which the cutting tool (1) is inserted, the cutting tool (1) comprising two flanges (5, 6) between which an active part (70) is mounted, the fastening system (100) also comprising retractable locking elements (15, 16) captively connected to the flanges (5, 6) and suitable for locking the flanges (5, 6) in the housing (3), the locking elements (15, 16) being movable relative to the flanges (5, 6) between a first position, in which the locking elements (15, 16) are engaged in the housing (3) so as to lock the cutting tool (1) in the housing (3), and a second position, in which the locking elements (15, 16) are freed from the housing (3) and allow the cutting tool (1) to be removed from the housing (3), characterized in that it comprises means (8, 11, 13) for jointly moving the cutting tool (1) suitable for translating the locking elements (15, 16) between their first position and their second position, and in that those movement means (8, 11, 13) are suitable for being actuated in a single operation.

Figure 6