

Title (en)

ROBOT-SUPPORTED FLEXIBLE-ARM BORING MACHINE CAPABLE OF EXCAVATING TUNNEL WITH ARBITRARY CROSS SECTION

Title (de)

ROBOTERUNTERSTÜTZTE BIEGEARMBOHRMASCHINE ZUM AUSHEBEN EINES TUNNELS MIT BELIEBIGEM QUERSCHNITT

Title (fr)

MACHINE DE FORAGE À BRAS FLEXIBLE SUPPORTÉE PAR UN ROBOT POUVANT EXCAVER UN TUNNEL AVEC UNE SECTION TRANSVERSALE ARBITRAIRE

Publication

**EP 3872299 B1 20231025 (EN)**

Application

**EP 19875605 A 20190610**

Priority

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- CN 2019090461 W 20190610

Abstract (en)

[origin: EP3872299A1] Disclosed is a robot (4)-supported flexible-arm boring machine capable of excavating a tunnel with any cross-section, comprising a cutterhead and cutter system (1) and a main beam (6). A rear portion of the main beam (6) is connected to a front portion of a rear gripper (8) by means of a thrust cylinder (7); a rear portion of the rear gripper (8) is connected to a rear support (9); and a front portion of the main beam (6) is flexibly connected to the cutterhead and cutter system (1) by means of a robot (4).

IPC 8 full level

**E21D 9/087** (2006.01); **E21D 9/08** (2006.01); **E21D 9/093** (2006.01); **E21D 9/11** (2006.01)

CPC (source: CN EP)

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