

Title (en)
INITIATING EXPLOSIVE SUPPLY DEVICE

Title (de)
INITIALSPRENGSTOFFVERSORGUNGSEINRICHTUNG

Title (fr)
DISPOSITIF D'ALIMENTATION D'EXPLOSIF D'INITIATION

Publication
EP 4310439 A1 20240124 (EN)

Application
EP 22771319 A 20220311

Priority
• JP 2021044970 A 20210318
• JP 2022011031 W 20220311

Abstract (en)
Provided is an initiating explosive supply device applicable to the tunnel delay blasting method and capable of selectively supplying an appropriate initiating explosive having an initiation time lag in seconds corresponding to the stage number of each blast hole to be loaded with initiating explosives. This initiating explosive supply device is mounted on the explosive loading boom of heavy construction equipment and comprises: an initiating explosive housing unit that houses a plurality of initiating explosives; and a mechanism for driving the initiating explosive housing unit. The initiating explosive housing unit has a plurality of sorting cases capable of mutually sorting and housing the initiating explosives having different initiation time lags in seconds. The mechanism for driving the initiating explosive housing unit drives the initiating explosive housing unit to supply, to a predetermined initiating explosive supply position, the initiating explosive having an initiation time lag in seconds corresponding to the stage number of each blast hole to be loaded with the initiating explosives.

IPC 8 full level
F42D 1/08 (2006.01); **E21D 9/00** (2006.01)

CPC (source: EP)
E21D 9/006 (2013.01); **F42D 1/08** (2013.01)

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Designated extension state (EPC)
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KH MA MD TN

DOCDB simple family (publication)
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