

Title (en)

METHOD AND DEVICE FOR REMOTE CONTROLLED WORKING OF CONCRETE WALLS

Publication

**EP 0419971 A3 19920513 (DE)**

Application

**EP 90117753 A 19900914**

Priority

DE 3932393 A 19890928

Abstract (en)

[origin: EP0419971A2] A method for the remote-controlled removal of material from concrete walls in spaces inaccessible to persons without protective measures is described. The working of the inner concrete walls of a space of this type is to be carried out by remote manipulation from outside. To this end, a concrete-drilling tool (38) is hung on a remote-control cable crane (20) and remotely manipulated up to the concrete wall (6). To obtain a slightly inclined position of the crane cable, the cable crane (20) is then moved slightly further in the direction of the concrete wall. The concrete-drilling part of the concrete-drilling tool (38) is then displaced by remote control in a rotary manner against the concrete wall (6) to obtain a drilled hole. These operations can be transmitted to the outside by television cameras into the operation room, where the trained workers carrying out the remote manipulation sit. The invention also relates to a device for carrying out this method. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

**B25H 1/0021** (2013.01); **B25H 1/0057** (2013.01); **B28D 1/14** (2013.01); **G21F 7/066** (2013.01)

Citation (search report)

- [A] GB 2174065 A 19861029 - WIEDERAUFARBEITUNG VON KERNBRE
- [A] GB 2135966 A 19840912 - WIEDERAUFARBEITUNG VON KERNBRE
- [A] DE 3107424 A1 19820916 - WIEGER MASCHBAU [DE]
- [A] US 4526311 A 19850702 - SCHROEDER GUENTER [DE]
- [A] US 4087010 A 19780502 - STORMON HARRY J
- [A] US 2730334 A 19560110 - SULLIVAN ARCHIE L
- [A] DE 287021 C
- [A] FR 1375448 A 19641016
- [A] FR 2525135 A1 19831021 - CAULLOO ISWARLALL [FR]
- [A] PROCEEDINGS OF THE 11TH SYMPOSIUM OF FUSION ENGINEERS, Vol. 1, November 1985 Austin (Texas (US)) P.D.F. JONES et al. 'Design and Operation of the Jet Articulated Boom', Seiten 144-148

Cited by

KR20200036097A; US11456084B2; US2015097943A1; US9277192B2; WO2020060309A1

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