FIG. 2

Abstract: To provide a single entry, one trip, compact drill pipe fishing apparatus (20), it consists of a cylindrical housing (21), supporting the inner tools and mechanisms; a rotatable spindle (23) is penetrating its top cap (24), and driving the inner mechanisms. The cap (24) is rotating the housing (21), while moving downward, there are two sets of keys (32), distributed through bores made horizontally inside the housing (21) body, then, syringe type lubricant tools are installed through bores made in the housing (21) body, then, in the bottom part of the housing (21), an inner cylindrical cutting block (40) is installed, with four cutting outlets bores, made via the housing (21) body, finally three cameras are installed. The fishing operation starts by cutting two sets of holes in the drill pipe (fish) (22), lubricating the holes, engaging the keys, pushing the fish right/left, and up/down via the engaged keys (32), to penetrate the oil, and pulling up the fish (22).
Published:
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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPDOC, WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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<td>A</td>
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<td>1-10</td>
</tr>
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<td>1-10</td>
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Date of the actual completion of the international search
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Name and mailing address of the ISA/AT
Austrian Patent Office
Dresdner StraBe 87, A-1200 Vienna
Facsimile No. +43 / 1 / 534 24-535

Authorized officer
WANKMULLER A.

Telephone No. +43 / 1 / 534 24-415
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</tr>
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<tbody>
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