(54) **Cutting head with a retractable threading tooth actuated by a rack/gear system**

(57)   A cutting head comprising a hollow cylindrical core with a helical flight;
• a threading tooth presenting an extended and a retracted position;
• displacement means for displacing said threading tooth between said retracted position and said extended position, said displacement means comprising:
• an inner hollow tubular member mounted to move into said hollow cylindrical core in translation along said longitudinal axis and disposed at least at the bottom end of said hollow cylindrical core;
• a rack fixed to the inner hollow tubular member,
• at least a gear cooperating with the rack, said gear being mounted on the bottom end of the hollow cylindrical core,
• a lever connected to the gear;
• a connecting rod pivotally connected to the lever and to the threading tooth, whereby the translation of the rack causes the displacement of the threading tooth.
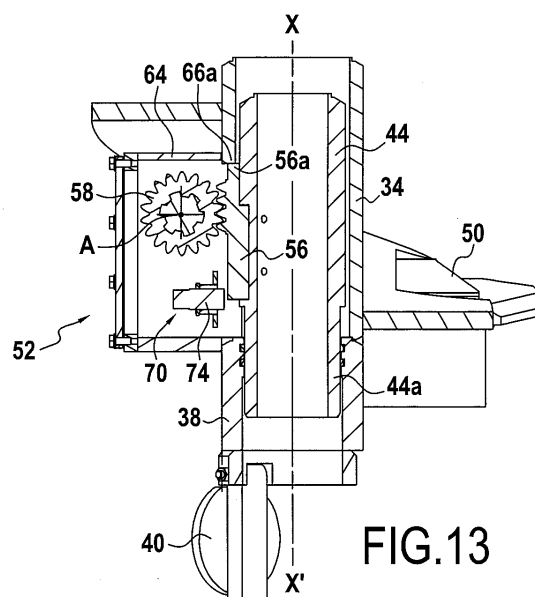
FIG.13

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EUROPEAN SEARCH REPORT

Application Number

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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TECHNICAL FIELDS
SEARCHED   (IPC)

E02D
E21B

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	29 July 2014	Friedrich, Albert

CATEGORY OF CITED DOCUMENTS

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29-07-2014

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