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Publication number:

0 228 690
A3

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EUROPEAN PATENT APPLICATION

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Application number: **86117876.2**

51

Int. Cl.4: **B 27 B 17/02**

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Date of filing: **22.12.86**

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Priority: **23.12.85 US 812830**
14.07.86 US 885290
09.12.86 US 939732

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Date of publication of application: **15.07.87**
Bulletin 87/29

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Designated Contracting States: **AT BE CH DE ES FR GB GR IT LI LU NL SE**

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Date of deferred publication of search report: **05.04.89 Bulletin 89/14**

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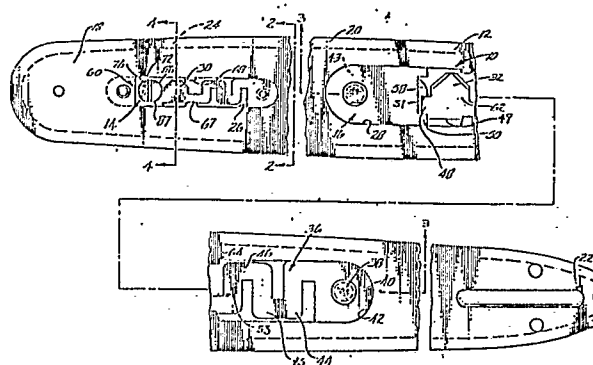
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Anti-kick saw bar.

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An anchor in a chain saw guide bar digs into the side-wall of a kerf as soon as kickback begins, to stop kickback of the guide bar while it is in the kerf. The anchor does this with a laterally projecting, impaling fluke mounted to the bar and biased towards its projecting position through a torsion spring contained completely within the bar. Bends in the torsion spring about longitudinal axes increase the bias angle of the fluke relative the kerf. Bumper faces of the fluke permit entrance of the fluke into the kerf and movement within the kerf in the longitudinal and downward directions by the fluke displacing towards the bar. A stop pivot adjacent the side of the guide bar opposite that from which the fluke extends, engages the fluke, prevents downward deflection of the fluke when it experiences kickback forces, and provides an off-center pivot for the spring to force it to resist deflection by torsion. A lateral limit stop applies a preload torque to the fluke to torsionally load the spring so that the spring urges the fluke outwardly. A retractor cam adjacent the fluke, when operated, draws the fluke within the guide bar for unusual cuts.



EP 0 228 690 A3



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EUROPEAN SEARCH REPORT

0228690

Application Number

EP 86 11 7876

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
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| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl. 4) |
| X | US-A-3 228 436 (H. RICCI) * Column 1, lines 58-72; column 2, lines 1-48; figures 1-6 * | 1,3,6,18 | B 27 B 17/02 |
| A | --- | 25 | |
| A | US-A-3 232 325 (L.J. HAMILTON) * Column 3, lines 35-38; column 4, lines 64-70; figures 2,4 * ----- | 5,14,24,26 | |
| | | | TECHNICAL FIELDS SEARCHED (Int. Cl. 4) |
| | | | B 27 B B 27 G |
| The present search report has been drawn up for all claims | | | |
| Place of search THE HAGUE | | Date of completion of the search 31-01-1989 | Examiner MOET H.J.K. |
| CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | | | |