

Title (en)
Chain saw guide bar.

Title (de)
Kettensägeschwert.

Title (fr)
Barre de guidage pour une scie à chaîne.

Publication
EP 0503840 A1 19920916 (EN)

Application
EP 92301891 A 19920305

Priority
JP 4318391 A 19910308

Abstract (en)
This disclosure relates to a guide bar (1) for a chain saw, wherein easily formed multiple through-holes (2) are provided in a guide bar (1) for the purpose of reducing the weight of the guide bar (1). A synthetic resin material (7) fills the through-holes (2) and is prevented from falling out of the guide bar (1) by locking parts (5) at the margins of the holes. In the process of making the guide bar (1), after multiple through-holes 2 are provided in a guide bar (1), the areas around the through-holes 2 are compressed so that they undergo plastic deformation and form the locking parts 5. Then the synthetic resin material 7 is injected into these through-holes 2 and allowed to harden so that it becomes an integrated construction with the guide bar 1, and the synthetic resin material 7 is securely locked in place by the locking parts. <IMAGE>

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B21K 25/00; **B27B 17/02**

IPC 8 full level
B21K 25/00 (2006.01); **B27B 17/02** (2006.01)

CPC (source: EP)
B21K 25/00 (2013.01); **B27B 17/025** (2013.01)

Citation (search report)
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• [X] US 3545505 A 19701208 - DEWEESE WILLIAM R, et al
• [APD] JP H0231701 U 19900228
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