

Title (en)  
GUIDE BAR FOR POWER-DRIVEN CHAIN SAWS

Publication  
**EP 0387562 B1 19921209 (DE)**

Application  
**EP 90103438 A 19900222**

Priority  
DE 3907812 A 19890311

Abstract (en)  
[origin: US5035057A] A chain guiding rail for use in power chain saws has a tip part defining an arcuate run-in section extending from an end point of a forward-run section to the vertex of the tip part, and a run-out section extending from the vertex point to a start point of a return-run section. The run-out section has a substantially larger diameter and a tangential line at its center point forms an angle (b8) of 40 DEG to 70 DEG with a center axis of the rail. To eliminate kickbacks during operation of the chain saw the vertex is situated in a sector of the tip part which is delimited by reference line coinciding with the center axis or extending in parallel thereto, a perpendicular line relative to the forward-run section at the end point (E) and to the parallel reference line or the center axis, and an arc whose center of curvature coincides with the point of intersection of the parallel reference line with the perpendicular line.

IPC 1-7  
**B27B 17/02**

IPC 8 full level  
**B27B 17/02** (2006.01)

CPC (source: EP US)  
**B27B 17/02** (2013.01 - EP US); **Y10T 83/921** (2015.04 - EP US)

Cited by  
AT1325U1; CN106017484A

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**US 5035057 A 19910730**; AT E83188 T1 19921215; CA 2011846 A1 19900911; CA 2011846 C 19990720; CS 113990 A3 19920617; CS 276525 B6 19920617; DD 299420 A5 19920416; DE 59000564 D1 19930121; DK 0387562 T3 19930329; EP 0387562 A1 19900919; EP 0387562 B1 19921209; ES 2038007 T3 19930701; FI 101771 B1 19980831; FI 101771 B 19980831; FI 901206 A0 19900309; GR 3006623 T3 19930630; JP 2860496 B2 19990224; JP H02273201 A 19901107; NO 174457 B 19940131; NO 174457 C 19940511; NO 901126 D0 19900309; NO 901126 L 19900912; RU 1836208 C 19930823; UA 13129 A 19970228

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**US 49260690 A 19900312**; AT 90103438 T 19900222; CA 2011846 A 19900309; CS 113990 A 19900308; DD 33856490 A 19900309; DE 59000564 T 19900222; DK 90103438 T 19900222; EP 90103438 A 19900222; ES 90103438 T 19900222; FI 901206 A 19900309; GR 920403036 T 19921221; JP 5978890 A 19900309; NO 901126 A 19900309; SU 4743330 A 19900309; UA 4743330 A 19900309