United States Patent [19]

Takishita

[54] GUIDE BAR FOR CHAIN SAW

[75] Inventor: Mitsukazu Takishita, Gifu, Japan

[73] Assignee: Sugihara Rinki Co., Ltd., Gifu, Japan

- [**] Term: 14 Years
- [21] Appl. No.: 162,460
- [22] Filed: Mar. 1, 1988

[30] Foreign Application Priority Data

Sep. 2, 1987	[JP] Japa	n	62-36050
Sep. 2, 1987	[JP] Japa	n	62-36051
Sep. 2, 1987	[JP] Japa	n	62-36053
Sep. 2, 1987	[JP] Japa	n	62-36054
[52] U.S. Cl.			D8/70
		D8/70; D15/138;	

30/383-387; 83/824, 825

[56] References Cited

U.S. PATENT DOCUMENTS

2,811,342	10/1987	McCallum .
3,545,505	12/1970	De Weese et al
3,762,047	10/1973	Scott-Jackson .
3,955,279	5/1976	Pierson .
4,159,569	7/1979	Sundstrom 30/384
4,321,750	3/1982	Sugihara 30/384
4,381,606	5/1983	Ekrud et al 30/387
4,489,493	12/1984	Tsumura .
4,611,401	9/1986	Piller 30/381 X
4,651,424	3/1987	Yamada 30/383 X
4,693,007	3/1987	Apfel et al 30/383 X
4,722,141	2/1988	Lim et al 30/383 X

FOREIGN PATENT DOCUMENTS

657445	2/1963	Canada 30/387
850803	of 0000	Fed. Rep. of Germany .
57-13509	of 0000	Japan .
41-37792	of 0000	Japan .
496797	3/1979	Japan .

Primary Examiner—Nelson C. Holtje Assistant Examiner—Gary D. Watson

Attorney, Agent, or Firm-Jordan and Hamburg

[57] CLAIM

The ornamental design for a guide bar for chain saw, as shown and described.

[11] Patent Number: Des. 321,819

[45] Date of Patent: ****** Nov. 26, 1991

DESCRIPTION

FIG. 1 is a left side elevational view of a guide bar for chain saw showing my new design, the right side being a mirror image thereof;

FIG. 2 is a top plan view of FIG. 1, the bottom being a mirror image thereof;

FIG. 3 is a rear elevational view of FIG. 1;

FIG. 4 is a front elevational view of FIG. 1; and

FIG. 5 is a perspective view of FIG. 1;

FIG. 6 is a left side elevational view of a second embodiment of a guide bar for chain saw showing my new design of FIGS. 1-5, the right side being a mirror image thereof:

FIG. 7 is a top plan view of FIG. 6, the bottom being a mirror image thereof;

FIG. 8 is a rear elevational view of FIG. 6;

FIG. 9 is a front elevational view of FIG. 6; and

FIG. 10 is a perspective view of FIG. 6;

FIG. 11 is a left side elevational view of a third embodiment of a guide bar for chain saw showing my new design of FIGS. 6-10, the right side being a mirror image thereof;

FIG. 12 is a top plan view of FIG. 11, the bottom being a mirror image thereof;

FIG. 13 is a rear elevational view of FIG. 11;

FIG. 14 is a front elevational view of FIG. 11; and

FIG. 15 is a perspective view of FIG. 11;

FIG. 16 is a left side elevational view of a fourth embodiment of a guide bar for chain saw showing my new design of FIGS. 11-15, the right being a mirror image thereof:

FIG. 17 is a top plan view of FIG. 16, the bottom being a mirror image thereof;

FIG. 18 is a rear elevational view of FIG. 16;

FIG. 19 is a front elevational view of FIG. 16; and

FIG. 20 is a perspective view of FIG. 16;

FIG. 21 is a left side elevational view of a fifth embodiment of a guide bar for chain saw showing my new design of FIGS. 16-20, the right being a mirror image thereof;

FIG. 22 is a top plan view of FIG. 21, the bottom being a mirror image thereof;

FIG. 23 is a rear elevational view of FIG. 21;

FIG. 24 is a front elevational view of FIG. 21; and

FIG. 25 is a perspective view of FIG. 21;

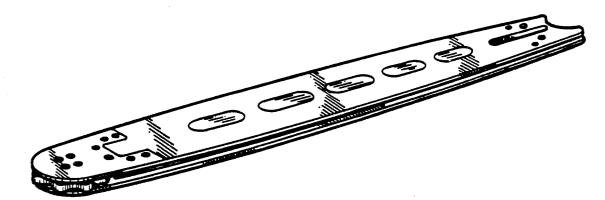


FIG. 26 is a left side elevational view of a sixth embodiment of a guide bar for chain saw showing my new design of FIGS. 21-25, the right being a mirror image thereof; FIG. 27 is a top plan view of FIG. 26, the bottom being a mirror image thereof;

FIG. 28 is a rear elevational view of FIG. 26;

FIG. 29 is a front elevational view of FIG. 26; and

FIG. 30 is a perspective view of FIG. 26.

FIG.4

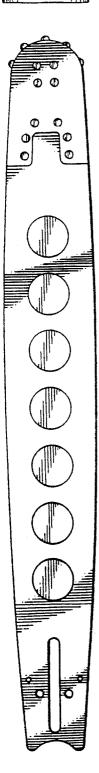


FIG. 2

FIG.

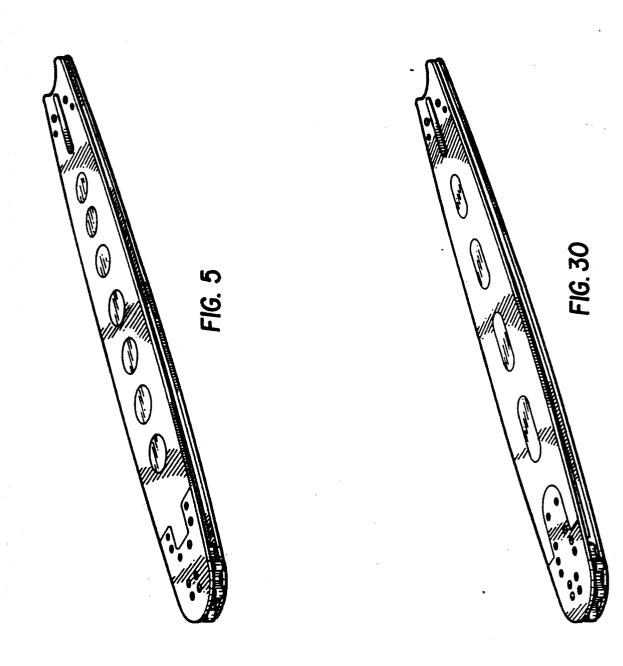


FIG. 9



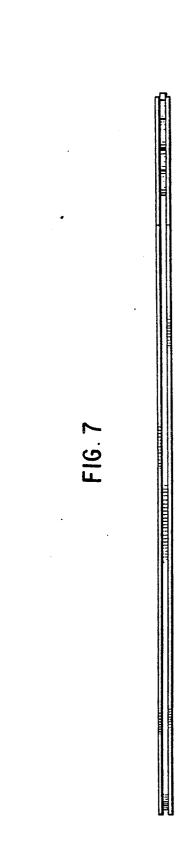


FIG. 6

:16. 8

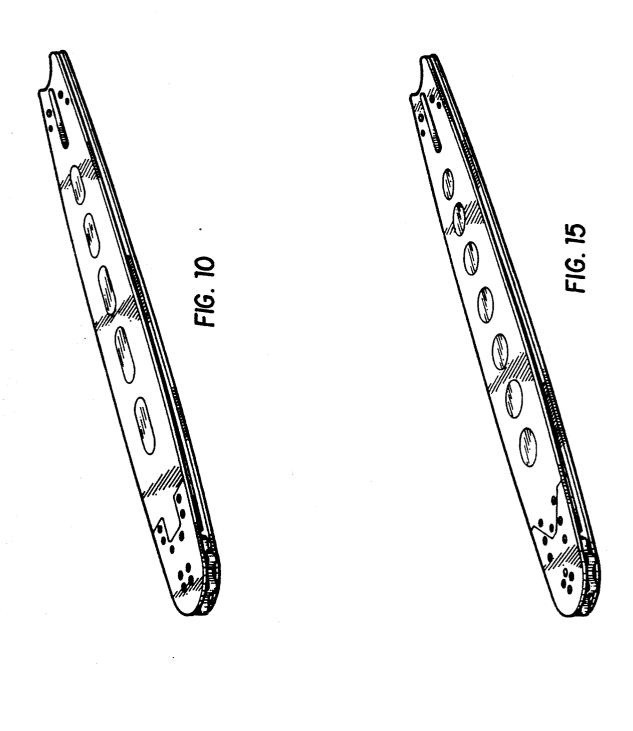


FIG. 14 စစ္ပိစ Ø Q Ø Ø FIG. 12 F1G.11 0

16.13

FI G. 19



16.18



FIG. 17

.

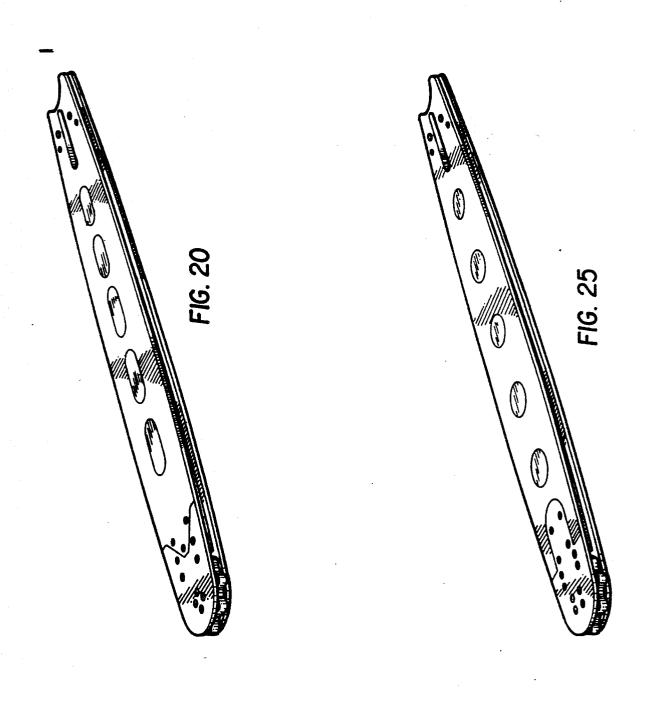


FIG.24 Õ Ð 0 0 0 000 O ο FIG. 22 0

FIG. 21

16.23

0 O

000

0 0 0

F16.27

FIG.29

MAR ALLE MELAND STRAME LOUG ME

FIG. 26

-16.28