Title (en)

CHAMFERING METHOD FOR A CURVED SLOT CORNER

Publication

EP 0110263 B1 19880309 (EN)

Application

EP 83111557 A 19831118

Priority

JP 20399182 A 19821120

Abstract (en)

[origin: EP0110263A2] Chamfering a longitudinally curved slot corner (3) which is formed by a front surface (1c) of a slotted member and longitudinally curved surface (2a) of the slotted member (1) defining a slot (2) is executed as follows. First, the slotted member (1) is held between an upper holder (5) and a lower holder (6). Next, a backup plate (8) whose upper surface (8a) is curved in every plane normal to the longitudinal direction of the backup plate (8) is placed in the slot (2) and a grinding belt (7) is applied to the upper surface (8a) of the backup plate (8) so as to travel in the slot (2). Then, the upper and lower holders (5, 6) are relatively shifted so that the slotted member (1) is tilted, thereby pushing the grinding belt (7) in running against the longitudinally curved slot corner (3) and chamfering it. Since the grinding belt (7) follows the curvature of the curved upper surface (8a) of the backup plate (8), the grinding belt (7) can fit the longitudinally curved slot corner (3) and grind it.

IPC 1-7

B24B 9/00; B24B 21/00

IPC 8 full level

B24B 9/00 (2006.01); **B24B 21/00** (2006.01); **B24B 21/16** (2006.01)

CPC (source: EP)

B24B 9/00 (2013.01); **B24B 21/002** (2013.01); **B24B 21/16** (2013.01)

Cited by

EP1366855A1; US7033255B2

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 0110263 A2 19840613; **EP 0110263 A3 19850508**; **EP 0110263 B1 19880309**; DE 3375884 D1 19880414; JP S5997833 A 19840605

DOCDB simple family (application)

EP 83111557 A 19831118; DE 3375884 T 19831118; JP 20399182 A 19821120