

Title (en)
180 DEGREE CLEANING BLADE HOLDER

Publication
EP 0546751 A3 19930901 (EN)

Application
EP 92310939 A 19921201

Priority
US 80393791 A 19911209

Abstract (en)
[origin: EP0546751A2] A cleaning blade holder that has a top portion (90), and bottom portion (95) which contains a groove (40) into which a protruding rib (65) on the back side surface of the blade (60) fit. An alternative bottom portion (94) has a plurality of nodules (100) that interconnect with apertures in corresponding positions along the length of the blade body. The blade holder holds the blade body in a horizontal position allowing the edges on either side of the blade body to extend from the holder. Each side of the blade body provides two edges (60a,60b,60c,60d). Rotation of the blade holder produces a new cleaning edge. Two other cleaning edges are produced by reversing the blade body in the holder and rotating the blade holder again between positions one and two. <IMAGE> <IMAGE>

IPC 1-7
G03G 21/00

IPC 8 full level
G03G 21/10 (2006.01); **G03G 21/00** (2006.01)

CPC (source: EP)
G03G 21/0029 (2013.01)

Citation (search report)
• [A] US 4803752 A 19890214 - KASAMA NOBUHIRO [JP]
• [X] PATENT ABSTRACTS OF JAPAN vol. 8, no. 27 (P-252)(1464) 4 February 1984 & JP-A-58 182 680 (RICOH K.K.) 25 October 1983
• [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 58 (P-550)(2505) 21 February 1987 & JP-A-61 223 773 (TOKAI RUBBER IND LTD) 4 October 1986
• [A] PATENT ABSTRACTS OF JAPAN vol. 7, no. 160 (P-210)(1305) 14 July 1983 & JP-A-58 068 776 (NIPPON DENKI K.K.) 23 April 1983

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US7471914B2; EP0930802A2; US2014241773A1; US9329563B2; WO2004036320A3

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JP H05257409 A 19931008

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EP 92310939 A 19921201; DE 69228860 T 19921201; JP 32327292 A 19921202