

Title (en)  
CLEANER BLADES

Publication  
**EP 0322229 A3 19891025 (EN)**

Application  
**EP 88312152 A 19881221**

Priority  
US 13678987 A 19871222

Abstract (en)  
[origin: EP0322229A2] A cleaning blade structure (70) for removing residual toner particles from a flexible photoreceptor (10) supported for movement in an endless path. An elastomeric blade member (72) is rigidly supported by a support (74) such that there is no extension of the blade beyond the end of the support. Rigid support of the blade in this manner allows tip loads to be varied independently without varying the tip angle. This allows combinations of tip angles and blade loading which are not possible with conventional cleaner blade devices without changing blade free length and/or thickness.

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)

- [Y] DE 2758239 A1 19780706 - CANON KK
- [Y] US 4619523 A 19861028 - MAEDA MASAHIKO [JP], et al
- [Y] US 4026648 A 19770531 - TAKAHASHI TORU
- [A] EP 0046684 A2 19820303 - XEROX CORP [US]
- [Y] PATENT ABSTRACTS OF JAPAN, vol. 4, no. 66 (P-11) (548) 17 May 1980, Columbus, Ohio, US; & JP-A-55 033 164 (CANON) 08.03.1980
- [Y] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 53 (P-433) (2110) 4 March 1986, Columbus, Ohio, US; & JP-A-60 196 789 (RICOH) 05.10.1985

Cited by  
WO9307543A1

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DE FR GB IT

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