

Title (en)  
Cleaning system.

Title (de)  
Reinigungssystem.

Title (fr)  
Système de nettoyage.

Publication  
**EP 0288175 A1 19881026 (EN)**

Application  
**EP 88302974 A 19880331**

Priority  
US 3424487 A 19870406

Abstract (en)

An apparatus (48) in which residual toner is removed from a photoconductive surface (10) after the transfer of a developed liquid image from the surface to a copy sheet. A porous roll (56) or belt (96) is employed to disturb the residual toner and detach it from the surface. Suction or electrical forces, cooperating with the porous roll or belt, attract the detached toner thereto for removal from the photoconductive surface.

IPC 1-7  
**G03G 21/00**

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

CPC (source: EP)  
**G03G 21/0088** (2013.01)

Citation (search report)

- [A] DE 1497242 B2 19721214
- [AD] US 4279501 A 19810721 - KOJIMA KENJI, et al
- [A] DE 3231202 A1 19830310 - KONISHIROKU PHOTO IND [JP]
- [AD] US 4344361 A 19820817 - MACPHEE JOHN, et al
- [X] XEROX DISCLOSURE JOURNAL, vol. 4, no. 4, page 531, July/August 1979; A.T. MANGHIRMALANI et al.: "Foam air cleaner"
- [A] PATENT ABSTRACTS OF JAPAN, vol. 2, no. 150 (E-78)[9647], 13th December 1978; & JP-A-53 119 048 (RICOH K.K.) 18-10-1978
- [A] PATENT ABSTRACTS OF JAPAN, vol. 3, no. 119 (E-142)[133], 6th October 1979; & JP-A-54 097 433 (RICOH K.K.) 01-08-1979
- [A] PATENT ABSTRACTS OF JAPAN, vol. 5, no. 77 (P-62)[749], 21st May 1981; & JP-A-56 024 382 (RICOH K.K.) 03-07-1981

Cited by  
AU619664B2; US8176632B2; US8745870B2

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0288175 A1 19881026**; JP S63261293 A 19881027

DOCDB simple family (application)  
**EP 88302974 A 19880331**; JP 7582688 A 19880329