

Title (en)  
Toner cartridge

Title (de)  
Tonerkartusche

Title (fr)  
Cartouche de toner

Publication  
**EP 0965892 A3 20001206 (DE)**

Application  
**EP 99111449 A 19990612**

Priority  
DE 19827547 A 19980620

Abstract (en)  
[origin: EP0965892A2] The toner cartridge (10) has a hollow cylindrical main body (11) which is rotated about its longitudinal axis, with a toner discharge opening (13) of reduced diameter at one of its ends, provided by the smaller diameter end of a tapering hollow cylinder (17) within the main body. The toner is transported by spiral ribs (22,24) in the outside surface of the tapering hollow cylinder and in the inside surface of the main body.

IPC 1-7  
**G03G 15/08**

IPC 8 full level  
**G03G 15/08** (2006.01)

CPC (source: EP US)  
**G03G 15/087** (2013.01 - EP US); **G03G 15/0872** (2013.01 - EP US); **G03G 2215/0668** (2013.01 - EP US)

Citation (search report)

- [A] US 5057872 A 19911015 - SAIJO HIROMITSU [JP], et al
- [A] GB 1349729 A 19740410 - OCE VAN DER GRINTEN NV
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 513 (P - 1805) 27 September 1994 (1994-09-27)

Designated contracting state (EPC)  
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**EP 99111449 A 19990612**; DE 19827547 A 19980620; JP 20659799 A 19990617; US 33790599 A 19990622