

Title (en)  
Sheet feed roller

Title (de)  
Bogenzuführrolle

Title (fr)  
Rouleau d'alimentation en papier

Publication  
**EP 1199274 A3 20040428 (EN)**

Application  
**EP 01124694 A 20011016**

Priority  
JP 2000314668 A 20001016

Abstract (en)  
[origin: EP1199274A2] A less expensive sheet feed roller of a non-ground surface type for use as a pickup roller or a sheet feeding roller in a sheet feeder. The sheet feed roller is virtually free from adhesion of paper dust during use thereby providing an excellent friction coefficient sustainability. The sheet feed roller comprises a roller body and a shaft extending axially through the roller body, the roller body having a textured roller surface comprising a multiplicity of island portions (10) and a sea portion (11) recessed from the island portions, the island portions and the sea portion each having a multiplicity of fine projections (12). The ratio S1/S2 of the total area S1 of the island portions to the area S2 of the sea portion preferably is 0.25 to 0.70. The fine projections preferably each have a height of 3 to 25  $\mu$ m. <IMAGE>

IPC 1-7  
**B65H 27/00**

IPC 8 full level  
**B65H 3/06** (2006.01); **B65H 27/00** (2006.01)

CPC (source: EP US)  
**B65H 27/00** (2013.01 - EP US); **B65H 2401/10** (2013.01 - EP US); **B65H 2404/1115** (2013.01 - EP US)

Citation (search report)  
• [X] US 6077207 A 20000620 - YOKOYAMA KAZUHIRO [JP], et al  
• [X] US 4165251 A 19790821 - MATSUMOTO NOBUO, et al  
• [X] PATENT ABSTRACTS OF JAPAN vol. 010, no. 227 (M - 505) 7 August 1986 (1986-08-07)  
• [X] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 02 26 February 1999 (1999-02-26)  
• [X] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 07 31 July 1996 (1996-07-31)  
• [X] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 10 17 November 2000 (2000-11-17)  
• [DX] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 08 30 August 1996 (1996-08-30)

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