

Title (en)
Sheet feed roller

Title (de)
Bogenzuführrolle

Title (fr)
Rouleau d'alimentation en papier

Publication
EP 1199274 A2 20020424 (EN)

Application
EP 01124694 A 20011016

Priority
JP 2000314668 A 20001016

Abstract (en)
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 μ m. <IMAGE>

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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 (applicant)
• JP H05221059 A 19930831 - SEIKO EPSON CORP
• JP H08108591 A 19960430 - SUMITOMO RUBBER IND

Cited by
CN106882614A; GB2441660A; GB2441660B; US7703761B2

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EP 1199274 A2 20020424; **EP 1199274 A3 20040428**; JP 2002120944 A 20020423; JP 3744337 B2 20060208; US 2002115545 A1 20020822

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