

Title (en)

Feed roller for mixing a powder.

Title (de)

Zuführrolle zum Mischen eines Pulvers.

Title (fr)

Rouleau d'alimentation pour mélanger une poudre.

Publication

EP 0430098 B1 19950503 (EN)

Application

EP 90122401 A 19901123

Priority

- JP 31095589 A 19891129
- JP 31096089 A 19891129
- JP 31096189 A 19891129

Abstract (en)

[origin: EP0430098A2] In a feed roller for mixing a developer and feeding it to a developing roller, a first mixing wing (40) parallel to a rotating shaft (43) is provided, a second spiral-shape mixing wing (41) is diagonally provided in a manner to cross the first wing (40), and a spiral-shape groove (42) for feeding a powder is formed on the one side located on the forward section with respect to rotating direction and being the powder scraping-up side of the both sides of said second mixing wing (41), along said second mixing wing (41), so as to enhance the feed performance, lateral-mixing performance and lateral-feed performance of the feed roller.

IPC 1-7

G03G 15/08; **B01F 7/02**

IPC 8 full level

B01F 7/00 (2006.01); **B01F 15/00** (2006.01); **G03G 15/08** (2006.01)

CPC (source: EP)

B01F 27/05 (2022.01); **G03G 15/0822** (2013.01)

Citation (examination)

- JP S6287735 U 19870604
- JP S60184068 U 19851206

Cited by

CN111686633A; US5614994A; CN114939378A; EP0756211A1; US5715502A; WO9403842A1; EP0529807B1

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