

Title (en)
Feed Roller.

Title (de)
Transportwalze.

Title (fr)
Rouleau de transport.

Publication
EP 0430098 A2 19910605 (EN)

Application
EP 90122401 A 19901123

Priority

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

Abstract (en)
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
B01F 7/02; **G03G 15/08**

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)

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

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0430098 A2 19910605; **EP 0430098 A3 19930317**; **EP 0430098 B1 19950503**; DE 69019113 D1 19950608; DE 69019113 T2 19951012

DOCDB simple family (application)
EP 90122401 A 19901123; DE 69019113 T 19901123