

Title (en)
Sliver opening arrangement for an open-end spinning machine

Title (de)
Faserband-Auflöseeinrichtung für eine Offenend-Spinnvorrichtung

Title (fr)
Dispositif pour défibrer une mèche pour un métier à filer à bout libre

Publication
EP 1277859 B1 20050914 (DE)

Application
EP 02012279 A 20020605

Priority
DE 10135548 A 20010720

Abstract (en)
[origin: EP1277859A2] An open-end spinning assembly has a fast-operating opening cylinder (17) for a continual fibre feed (1) as surrendered by a spreader (78) rollers (79, 80, 81, 82). Each roller has cross-pieces which engage in detents in the adjacent roller. The gap between the spreader rollers is changed periodically. An increase in the gap between a first and second spreader rollers produces a decrease in the gap between the second and third spreader rollers, and vice versa. Pairs of spreader rollers are mechanically coupled and share a common gap variation drive system. The frequency of gap change is much greater than the speed of roller rotation and is pref. between 8 Hz and 25 Hz. The detents are of trapezoidal cross section.

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D01H 4/30; **D01H 5/00**

IPC 8 full level
D01H 4/30 (2006.01)

CPC (source: EP US)
D01H 4/30 (2013.01 - EP US)

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DE102009026737B4; DE102009026737A1

Designated contracting state (EPC)
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EP 1277859 A2 20030122; **EP 1277859 A3 20030528**; **EP 1277859 B1 20050914**; CN 1399020 A 20030226; CZ 20022296 A3 20030312; DE 10135548 A1 20030130; DE 50204230 D1 20051020; US 2003014957 A1 20030123; US 6796116 B2 20040928

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EP 02012279 A 20020605; CN 02126462 A 20020722; CZ 20022296 A 20020628; DE 10135548 A 20010720; DE 50204230 T 20020605; US 19982402 A 20020719