

Title (en)

Fibre channel plate for an open-end spinning machine

Title (de)

Faserkanalplatte für eine Offenend-Spinnvorrichtung

Title (fr)

Plaque avec un canal à fibre pour un métier à filer à bout libre

Publication

EP 0979887 B1 20030910 (DE)

Application

EP 99107962 A 19990422

Priority

DE 19836073 A 19980810

Abstract (en)

[origin: EP0979887A1] The fiber feed channel plate (4), at an open-end spinner, has a channel plate adapter (10) in a release mounting held in place only by a force fit using a magnetic coupling (15). The magnetic coupling (15) has at least one permanent magnet (14) fixed to or inserted into the fiber channel plate (4) or the channel plate adapter (10), together with a ferromagnetic component facing it axially at the other section, and especially as a disk (18). An air gap (23) of at least 0.1 mm is between the permanent magnet (14) and the ferromagnetic component. The magnetic force between the fiber channel plate (4) and the adapter plate (10) is a multiple of the max. force required to open and close the cover.

IPC 1-7

D01H 4/08

IPC 8 full level

D01H 4/10 (2006.01); **D01H 4/08** (2006.01)

CPC (source: EP US)

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Cited by

US6284164B1; CN109072494A; EP1820888A3

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DOCDB simple family (publication)

EP 0979887 A1 20000216; **EP 0979887 B1 20030910**; CN 1244601 A 20000216; DE 19836073 A1 20000217; DE 59906929 D1 20031016; JP 2000064129 A 20000229; US 6240717 B1 20010605

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EP 99107962 A 19990422; CN 99108418 A 19990610; DE 19836073 A 19980810; DE 59906929 T 19990422; JP 22408699 A 19990806; US 36612599 A 19990802