Title (en)
Method and apparatus for the treatment of a fibre tow.

Title (de)
Verfahren und Vorrichtung zur Behandlung eines Faserkabels.

Title (fr)
Procédé et appareil pour le traitement d'un câble de fibres.

Publication
EP 0276704 A2 19880803 (DE)

Application
EP 88100540 A 19880116

Priority
DE 3702543 A 19870129

Abstract (en)
[origin: JPS6420338A] PURPOSE: To provide the subject device capable of reducing radiation heat with almost no energy consumption by crimping a fiber cable, treating the crimped cable on a gas permeable screen plate during carrying the cable and taking out the treated crimped cake from the treating device. CONSTITUTION: This method for treating a fiber cable is to crimp the fiber cable, treat the crimped fiber cable on a gas permeable screen plate during traveling the cable and take out the treated crimped cake from a treating device. A gas flow 6 which flows from a crimping device to the treating device is fed back to a pass 10 through a pipe 9 via a food 7, a duct 8, a heat exchanger, etc., and blown onto a screen plate with a circulating flow. The crimped cake 4 is transported through a treating area, then taken out from an opening 14 with a partial flow of the treating gas.

Abstract (de)
Faserkabel werden gekräuselt und der erhaltene Kräuselkuchen wird über eine gasdurchlässige Siebplatte gefördert, wobei durch die Siebplatte Gas von unten gegen den Kräuselkuchen strömt, so daß dieser berührungslos oder mit verminderter Auflagekraft über die Siebplatte hinweg befördert wird und während des Aufenthaltes über der Siebplatte behandelt werden kann.

IPC 1-7
D02G 1/20; D02J 13/00

IPC 8 full level
D02G 1/12 (2006.01); D02G 1/20 (2006.01); D02J 13/00 (2006.01)

CPC (source: EP US)
D02G 1/205 (2013.01 - EP US)

Citation (applicant)
DE 3308657 A1 19840920 - BAYER AG [DE]

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0276704 A2 19880803; EP 0276704 A3 19891129; EP 0276704 B1 19920422; DE 3702543 A1 19880811; DE 3870263 D1 19920527; ES 2030766 T3 19921116; IE 61022 B1 19940907; IE 880232 L 19880729; JP S6420338 A 19890124; US 4854020 A 19890808

DOCDB simple family (application)
EP 88100540 A 19880116; DE 3702543 A 19870129; DE 3870263 T 19880116; ES 88100540 T 19880116; IE 23288 A 19880128; JP 1099388 A 19880122; US 14557488 A 19880119