

Title (en)

Method and apparatus for stretching synthetic yarns using steam as a heating means

Title (de)

Verfahren und Vorrichtung zum Verstecken von synthetischen Garnen unter Verwendung einer Dampfheizung

Title (fr)

Procédé et dispositif pour l'étirage de fils synthétiques utilisant le chauffage à vapeur

Publication

EP 0690159 A1 19960103 (EN)

Application

EP 94117582 A 19941108

Priority

EP 94117582 A 19941108

Abstract (en)

Method for stretching a thermoplastic synthetic yarns set, in the form of warp chain characterized in that steam is used as heating means, in the form of laminar jets directed on to the yarn transversally with respect to the direction run of the yarn.

IPC 1-7

D02J 1/22

IPC 8 full level

D02J 1/22 (2006.01)

CPC (source: EP)

D02J 1/222 (2013.01)

Citation (search report)

- [A] US 3392267 A 19680709 - HUGO BOSCH, et al
- [A] US 3452132 A 19690624 - PITZL GILBERT
- [X] PATENT ABSTRACTS OF JAPAN vol. 018, no. 185 (C - 1185) 30 March 1994 (1994-03-30)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0690159 A1 19960103

DOCDB simple family (application)

EP 94117582 A 19941108