

Title (en)
Stretch break method and product

Title (de)
Streckreissverfahren und Produkt

Title (fr)
Procédé et produit de rupture par étirage

Publication
EP 1621653 A3 20070228 (EN)

Application
EP 05077199 A 20000613

Priority
• EP 00938266 A 20000613
• US 13909699 P 19990614

Abstract (en)
[origin: EP1609891A2] A method for stretch breaking fibers to produce a staple yarn and operating a staple fiber spinning machine that enables the production of a plurality of products of lot size smaller than a large denier tow product. The process includes at least two break zones and a consolidation zone downstream from a second break zone to form a staple yarn. The filaments are broken in a second break zone downstream from the first break zone by increasing the speed of the fiber fed into the process.

IPC 8 full level
D01G 1/08 (2006.01); **D02G 3/34** (2006.01); **D02G 3/36** (2006.01)

CPC (source: EP)
D01G 1/08 (2013.01)

Citation (search report)
• [DY] US 4080778 A 19780328 - ADAMS DUSTIN STETSON, et al
• [A] WO 8901999 A1 19890309 - HELTRA INC [US]
• [A] GB 689054 A 19530318 - KOHORN H VON
• [A] US 4477526 A 19841016 - LAUTERBACH HERBERT G [US]
• [A] US 4698956 A 19871013 - CLARKE STEVEN R [US], et al
• [Y] PATENT ABSTRACTS OF JAPAN vol. 009, no. 112 (C - 281) 16 May 1985 (1985-05-16)

Designated contracting state (EPC)
CH DE FR GB IT LI NL

Designated extension state (EPC)
AL LT LV MK RO SI

DOCDB simple family (publication)
EP 1609891 A2 20051228; EP 1609891 A3 20070228; EP 1621650 A2 20060201; EP 1621650 A3 20070523; EP 1621651 A2 20060201; EP 1621651 A3 20070228; EP 1621653 A2 20060201; EP 1621653 A3 20070228

DOCDB simple family (application)
EP 05077201 A 20000613; EP 05077199 A 20000613; EP 05077200 A 20000613; EP 05077202 A 20000613