

Title (en)  
Stretch break method

Title (de)  
Streckreissverfahren

Title (fr)  
Procédé de rupture par étirage

Publication  
**EP 1621651 A3 20070228 (EN)**

Application  
**EP 05077202 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)

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

Citation (search report)  
• [Y] WO 8901999 A1 19890309 - HELTRA INC [US]  
• [DY] US 4080778 A 19780328 - ADAMS DUSTIN STETSON, et al  
• [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

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

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