

Title (en)  
TEXTURISING THERMOPLASTIC YARN

Publication  
**EP 0071354 A3 19841114 (EN)**

Application  
**EP 82303602 A 19820709**

Priority  
GB 8123176 A 19810728

Abstract (en)  
[origin: EP0071354A2] Texturising apparatus comprises a yarn feed passage 1 leading to an expansion chamber 10 formed with bleed openings 12 and in which the pressurised gas or fluid passing along the feed passage 1 with the yarn 2 expands laterally to increase the cross section of the yarn. The cross section of the yarn is then reduced again as it enters a discharge passage 16 leading to a crimp chamber 20 in which the yarn is folded upon itself under pressure. The improvement lies in the fact that the expansion chamber 10 has three or more laterally extending passageways 34 into which the filaments of the yarn are forced by the expansion of the fluid or gas, thus greatly enhancing the crimp.

IPC 1-7  
**D02G 1/12**; **D02G 1/16**; **D02G 1/20**

IPC 8 full level  
**D02G 1/12** (2006.01); **D02G 1/16** (2006.01); **D02G 1/20** (2006.01)

CPC (source: EP)  
**D02G 1/122** (2013.01); **D02G 1/161** (2013.01); **D02G 1/205** (2013.01)

Citation (search report)  
[AD] GB 1342484 A 19740103 - HEATHCOTE CO LTD JOHN

Cited by  
US4891873A; EP0632150A1; US5497538A; CN112144159A

Designated contracting state (EPC)  
BE DE GB IT

DOCDB simple family (publication)  
**EP 0071354 A2 19830209**; **EP 0071354 A3 19841114**; JP S5823926 A 19830212

DOCDB simple family (application)  
**EP 82303602 A 19820709**; JP 13054882 A 19820728