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**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*

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(54) Title: COMPOSITIONS AND PROCESSES FOR REDUCING WATER SOLUBILITY OF A STARCH COMPONENT IN A MULTICOMPONENT FIBER

(57) Abstract: A melt spinnable multicomponent fiber is provided that comprises a first component comprising a starch insolubilizing agent and a thermoplastic polymer, and a second component comprising destructured starch and a plasticizer. The insolubilizing agent acts on the starch of the second component to render the starch less soluble when the fiber is exposed to water. The invention is also directed to nonwoven webs and disposable articles comprising the multicomponent fibers.



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## INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 D01F D04H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 814 184 A (CHISSO CORP) 29 December 1997 (1997-12-29) page 4, line 54 - page 5, line 5; claims page 2, line 53 - page 3, line 5 -----	1-20
A	US 5 516 815 A (BUEHLER FRIEDRICH ET AL) 14 May 1996 (1996-05-14) the whole document -----	1-20
A	EP 0 232 121 A (COURTAULDS PLC) 12 August 1987 (1987-08-12) the whole document -----	1-20
A	US 6 218 321 B1 (LORCKS JURGEN ET AL) 17 April 2001 (2001-04-17) cited in the application the whole document -----	1-20



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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