

Title (en)  
MODIFIED SILK MATERIALS AND PROCESS FOR THE PRODUCTION THEREOF

Title (de)  
MODIFIZIERTE SEIDENMATERIALEN UND HERSTELLUNGSVERFAHREN

Title (fr)  
MATIERES DE SOIE MODIFIEE ET PROCEDE DE PRODUCTION DE CELLES-CI

Publication  
**EP 0964085 B1 20040225 (EN)**

Application  
**EP 98961455 A 19981221**

Priority  
• JP 9805784 W 19981221  
• JP 36739597 A 19971225

Abstract (en)  
[origin: EP0964085A1] Objects of the present invention is to widen an applicability of carbonized silk utilizing improved properties thereof, to provide an incompletely carbonized product or denatured silk useful for various purposes because of both inherent and carbonized properties thereof by heat-treating silk as a raw material under a mild condition so as to control an extent of carbonization, and to provide an industrially practical method for preparing a denatured silk material by controlling a cost of energy consumption due to heat treatment. There is provided a method for preparing a denatured silk material of various colors by heat-treating natural silk, half-degummed silk or degummed silk or a mixture thereof in an atmosphere of air flow under 0.5 to 1.5 atmospheres at a temperature of 150 to 500 DEG C for a certain period of time.

IPC 1-7  
**D01C 3/00**; **D01B 7/00**; **D06C 7/04**

IPC 8 full level  
**D01B 7/00** (2006.01); **D06C 7/04** (2006.01)

CPC (source: EP KR)  
**D01B 7/00** (2013.01 - EP KR); **D01C 3/00** (2013.01 - KR); **D06C 7/04** (2013.01 - EP)

Cited by  
EP1659218A1; US2006239995A1; WO2006055789A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0964085 A1 19991215**; **EP 0964085 A4 20020306**; **EP 0964085 B1 20040225**; BR 9807604 A 20000321; CN 1123656 C 20031008; CN 1250492 A 20000412; DE 69821916 D1 20040401; DE 69821916 T2 20041223; HK 1024272 A1 20001005; KR 100393831 B1 20030806; KR 20000075618 A 20001226; WO 9934038 A1 19990708

DOCDB simple family (application)  
**EP 98961455 A 19981221**; BR 9807604 A 19981221; CN 98803385 A 19981221; DE 69821916 T 19981221; HK 00103414 A 20000607; JP 9805784 W 19981221; KR 19997007681 A 19990824