

Title (en)

METHOD FOR DYEING AND LUBRICATING SEWING THREADS IN A SINGLE BATH

Publication

EP 0187136 B1 19911009 (DE)

Application

EP 86100042 A 19860103

Priority

DE 3500168 A 19850104

Abstract (en)

[origin: US4583987A] This invention relates to a method of dyeing and lubricating sewing thread simultaneously including suited compositions which, in the main, consist of a combination of dispersions of silicone oils, waxes, and fatty acid condensation products.

IPC 1-7

D06M 13/322; D06M 15/643; D06P 5/00

IPC 8 full level

D06M 13/322 (2006.01); **D06M 15/643** (2006.01); **D06P 1/00** (2006.01); **D06P 1/46** (2006.01); **D06P 1/52** (2006.01); **D06P 1/607** (2006.01); **D06P 1/649** (2006.01); **D06P 1/66** (2006.01); **D06P 5/00** (2006.01)

CPC (source: EP US)

D06P 1/0004 (2013.01 - EP US); **D06P 1/0036** (2013.01 - EP US); **D06P 1/46** (2013.01 - EP US); **D06P 1/5221** (2013.01 - EP US); **D06P 1/5292** (2013.01 - EP US); **D06P 1/6076** (2013.01 - EP US); **D06P 1/6495** (2013.01 - EP US); **D06P 1/66** (2013.01 - EP US); **Y10S 8/918** (2013.01 - US); **Y10S 8/922** (2013.01 - US); **Y10S 8/924** (2013.01 - US)

Cited by

DE19860187A1; DE19860187B4; FR2710663A1; BE1009956A3; CH689175GA3; WO2004063456A1

Designated contracting state (EPC)

BE DE FR

DOCDB simple family (publication)

US 4583987 A 19860422; DE 3500168 A1 19860717; DE 3500168 C2 19880922; DE 3681796 D1 19911114; EP 0187136 A2 19860709; EP 0187136 A3 19880706; EP 0187136 B1 19911009

DOCDB simple family (application)

US 69485185 A 19850125; DE 3500168 A 19850104; DE 3681796 T 19860103; EP 86100042 A 19860103