

Title (en)

Method of manufacturing needles for textile machines

Title (de)

Verfahren zum Herstellen von Nadeln für Textilmaschinen

Title (fr)

Procédé de fabrication des aiguilles pour machines textiles

Publication

EP 1741502 B1 20090422 (DE)

Application

EP 06009159 A 20060503

Priority

DE 102005028099 A 20050616

Abstract (en)

[origin: EP1741502A1] The production process is for textile machine needles which have at least one shaft and a needle tip fitted to the front of the shaft. At least the needle tip is produced by injection molding, in particular by metal injection molding. This may be done by multiple-component injection molding, in particular by two-component injection molding.

IPC 8 full level

B21G 1/04 (2006.01); **D04B 35/04** (2006.01)

CPC (source: EP)

B21G 1/04 (2013.01); **B22F 3/225** (2013.01); **B22F 7/06** (2013.01); **D04B 35/04** (2013.01)

Cited by

EP3483319B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1741502 A1 20070110; **EP 1741502 B1 20090422**; AT E429297 T1 20090515; CN 1880533 A 20061220; CN 1880533 B 20110126; DE 102005028099 B3 20070315; DE 502006003517 D1 20090604

DOCDB simple family (application)

EP 06009159 A 20060503; AT 06009159 T 20060503; CN 200610092559 A 20060615; DE 102005028099 A 20050616; DE 502006003517 T 20060503