

Title (en)
Felt needle

Title (de)
Filznadel

Title (fr)
Aiguille à feutrer

Publication
EP 1806444 B1 20090401 (DE)

Application
EP 05028503 A 20051227

Priority
EP 05028503 A 20051227

Abstract (en)
[origin: EP1806444A1] The needle has a working portion (12) with the indentations (21-26) of the partial sections (15,16) that are arranged along the edges (18a,19a,20a,18c,19c,20c), which are oriented parallel to a longitudinal axis (14). The cross sections of partial sections are turned relative to each other.

IPC 8 full level
D04H 18/02 (2012.01)

CPC (source: EP KR US)
D04H 17/00 (2013.01 - KR); **D04H 18/02** (2013.01 - EP KR US)

Cited by
KR100838509B1

Designated contracting state (EPC)
DE ES FR GB IT TR

DOCDB simple family (publication)
EP 1806444 A1 20070711; EP 1806444 B1 20090401; CN 1990931 A 20070704; CN 1990931 B 20100811; DE 502005007017 D1 20090514; ES 2322159 T3 20090617; JP 2007177387 A 20070712; JP 4496207 B2 20100707; KR 100838509 B1 20080617; KR 20070069031 A 20070702; TW 200738927 A 20071016; TW I321175 B 20100301; US 2007143975 A1 20070628; US 7246418 B2 20070724

DOCDB simple family (application)
EP 05028503 A 20051227; CN 200610172408 A 20061226; DE 502005007017 T 20051227; ES 05028503 T 20051227; JP 2006349294 A 20061226; KR 20060132723 A 20061222; TW 95148863 A 20061226; US 64570306 A 20061227