

Title (en)
KNITTING NEEDLE

Title (de)
STRICKNADEL

Title (fr)
AIGUILLE A TRICOTER

Publication
EP 2312032 A1 20110420 (EN)

Application
EP 09762257 A 20090609

Priority
• JP 2009002599 W 20090609
• JP 2008155982 A 20080613

Abstract (en)
Provided is a knitting needle having a construction of a coupled portion suited for speeding up. A compound needle 11 has a front end side boring 16d and a tail end side boring 16e, at the foot of a convex portion 16b protruding from the front end side of a needle jack 16. Between the front side end portion 2d and the tail side end portion 2e of the concave portion 2b of the needle body 2, a clearance is formed. The tail end side boring 16e is larger than the front end side boring 16d. However, even when the tail end side boring 16e increases in size, the boring is formed on the tail end side from the center line 2c of the concave portion 2b. This kind of large tail end side boring 16e relaxes stress concentration, and is able to make the convex portion 16b difficult to break even when an impact load is applied through driving of the needle jack 16.

IPC 8 full level
D04B 15/70 (2006.01)

CPC (source: EP)
D04B 15/70 (2013.01); **D04B 35/06** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2312032 A1 20110420; **EP 2312032 A4 20130911**; **EP 2312032 B1 20141008**; CN 102046868 A 20110504; CN 102046868 B 20120829; JP 5330383 B2 20131030; JP WO2009150826 A1 20111110; WO 2009150826 A1 20091217

DOCDB simple family (application)
EP 09762257 A 20090609; CN 200980120001 A 20090609; JP 2009002599 W 20090609; JP 2010516752 A 20090609