

Title (en)
FOLDING POLE, IN PARTICULAR FOR NORDIC WALKING

Title (de)
FALTSTOCK, INSBESONDERE FÜR NORDIC WALKING

Title (fr)
BÂTON PLIANT, NOTAMMENT POUR MARCHE NORDIQUE

Publication
EP 2670271 A1 20131211 (DE)

Application
EP 12701919 A 20120203

Priority
• CH 2182011 A 20110204
• EP 2012051887 W 20120203

Abstract (en)
[origin: WO2012104424A1] The invention relates to a folding pole (1), normally comprising four pipe sections (7-9), wherein the pipe sections (7-9) are connected to each other by means of plug-in connections while aligned along the pole axis (32) in the assembled state of the folding pole (1), and normally only three pipe sections (8, 8', 9) are still connected to each other by means of a movable connecting element (16) in the folded state, and wherein a pole handle (2) is arranged on a top pipe section (7) and a pole tip (23) is arranged on a bottom pipe section (9). According to the invention, at least one of the plug-in connections is realized by means of an external clamping mechanism (10), wherein the clamping mechanism (10) is fastened to a first pipe section (7), and wherein a second pipe section (8), which has an outside diameter smaller than or nearly equal to the inside diameter of the first pipe section (7), and which is supported in the first pipe section (7) so as to be movable itself, can be fastened in the relative axial position by the external clamping mechanism (10). The further plug-in connections are designed as pure plug-in connections, wherein pipe sections (8, 8', 9) are fastened only in an axial direction in the connected state. The pipe sections (7-9) are connected to each other by means of at least one tension cable (16), which is fastened to the bottom pipe section (9) and to the top pipe section (7) and which is arranged so as to pass through the interior (31) of the at least two middle pipe sections (8, 8'). The folding pole (1) is designed in such a way that the folding pole can be transferred from the folded state to the assembled state by connecting the further plug-in connections, and then, with the external clamping mechanism (10) released, pulling the second pipe section (8) out of the first pipe section (7) until the tension cable (16) is under tension, and fastening the external clamping mechanism (10).

IPC 8 full level
A45B 9/00 (2006.01)

CPC (source: CN EP KR US)
A45B 9/00 (2013.01 - CN EP KR US); **A45B 9/02** (2013.01 - US); **A45B 9/04** (2013.01 - US); **A63B 29/08** (2013.01 - KR); **A63C 11/22** (2013.01 - KR); **A63C 11/221** (2013.01 - CN EP US); **A63C 11/227** (2013.01 - CN EP US); **A45B 2009/005** (2013.01 - CN EP US); **A45B 2009/007** (2013.01 - KR US); **A45B 2009/025** (2013.01 - US); **A45B 2200/055** (2013.01 - KR US); **A63C 11/222** (2013.01 - CN EP KR US); **A63C 2203/10** (2013.01 - CN EP US)

Citation (search report)
See references of WO 2012104424A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012104424 A1 20120809; CN 103338673 A 20131002; CN 103338673 B 20161012; CN 107048632 A 20170818; CN 107048632 B 20190219; EP 2670271 A1 20131211; EP 2670271 B1 20180404; JP 2014504533 A 20140224; JP 5945551 B2 20160705; KR 101913679 B1 20181228; KR 101945337 B1 20190207; KR 20140039155 A 20140401; KR 20180085809 A 20180727; RU 2013138312 A 20150310; RU 2586827 C2 20160610; US 10660414 B2 20200526; US 2014069475 A1 20140313; US 2017127775 A1 20170511; US 9609925 B2 20170404

DOCDB simple family (application)
EP 2012051887 W 20120203; CN 201280007755 A 20120203; CN 201610819748 A 20120203; EP 12701919 A 20120203; JP 2013552222 A 20120203; KR 20137020875 A 20120203; KR 20187020245 A 20120203; RU 2013138312 A 20120203; US 201213983708 A 20120203; US 201715415393 A 20170125