

Title (en)  
BRAIDING MACHINE AND BRAIDING METHOD OF TAIL-PULLING ROPE

Title (de)  
FLECHTMASCHINE UND FLECHTVERFAHREN EINES ZUGSEILS

Title (fr)  
MACHINE À TRESSER ET PROCÉDÉ DE TRESSAGE DE CORDE DE TRACTION DE QUEUE

Publication  
**EP 3450600 A1 20190306 (EN)**

Application  
**EP 18161889 A 20180315**

Priority  
CN 201710772542 A 20170831

Abstract (en)  
The present invention provides a braiding machine (1) and a braiding method of a tail-pulling rope. The braiding machine (1) of the tail-pulling rope comprises a machine frame (2), two track plates (3), a plurality of yarn carriers (6) and a rope belt braiding mechanism. The track plates (3) are located on the machine frame (2), and the yarn carriers (6) are mounted on the track plates (3), wherein the rope belt braiding mechanism comprises a turbine speed change mechanism (5), two belt wheels (7) and two transmission wheels (9). A transmission rod (10) is arranged between the two transmission wheels (9); a belt rolling rod (8) is arranged between the two belt wheels (7); a first end of the turbine speed change mechanism (5) is located in a middle of the two track plates (3) and mounted on the machine frame (2); a second end of the turbine speed change mechanism (5) is connected to the middle of the transmission rod (10); and a rubber tube (4) is arranged on the machine frame (2) and located at a center of the track plates (3). The braiding machine (1) of the tail-pulling rope has simple structure, good stability and high yield.

IPC 8 full level  
**D04C 1/12** (2006.01); **D04C 3/08** (2006.01); **D04C 3/18** (2006.01); **D04C 3/48** (2006.01); **D07B 1/14** (2006.01)

CPC (source: EP US)  
**D04C 1/12** (2013.01 - EP US); **D04C 3/08** (2013.01 - EP US); **D04C 3/18** (2013.01 - EP US); **D04C 3/48** (2013.01 - EP US); **D07B 1/145** (2013.01 - EP US); **D07B 1/148** (2013.01 - EP US); **D07B 7/165** (2013.01 - EP US); **D07B 5/005** (2013.01 - EP US); **D07B 2201/1004** (2013.01 - EP US); **D07B 2201/1096** (2013.01 - EP US)

Citation (search report)  
• [Y] CN 203113047 U 20130807 - FUJIAN YITAI SCIENCE & TECHNOLOGY CO LTD  
• [Y] EP 2889057 A2 20150701 - POLYUNION TEXTILE SHENZHEN FACTORY [CN]  
• [A] WO 2015117148 A1 20150806 - EVERESTMEDICA LLC [US]

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3450600 A1 20190306**; CN 107574570 A 20180112; US 2019062965 A1 20190228

DOCDB simple family (application)  
**EP 18161889 A 20180315**; CN 201710772542 A 20170831; US 201816027256 A 20180703