

Title (en)  
TORSION WRINGER HAVING LITTLE TRAVEL

Title (de)  
TORSIONSWRINGER MIT GERINGEM HUB

Title (fr)  
ESSOREUR À TORSION À FAIBLE COURSE

Publication  
**EP 3294104 B1 20190501 (DE)**

Application  
**EP 16710974 A 20160318**

Priority  
• DE 102015005948 A 20150512  
• EP 2016056011 W 20160318

Abstract (en)  
[origin: CA2985690A1] The invention relates to a torsion wringer, comprising a contraction device (1) for receiving a wiping head of a mop, wherein the contraction device (1) has an upper part (2) and a lower bottom (3), which are connected to one another by way of contraction lamellae (4). The contraction lamellae (4) are designed and/or articulated at the upper part (2) and the bottom (3) such that the upper part (2) is rotatable relative to the bottom (3), wherein along a travel path (H), the contraction device (1) is movable relative to a carrier device (5), as a result of which the upper part (2) rotates at an angle of rotation (T) relative to the carrier device (5) and relative to the bottom (3). In view of the object of the invention to design and further develop a torsion wringer of the aforementioned type such that the torsion wringer is cost-effective, wherein with a short travel path of the wiper head of the mop, the torsion wringer can be effectively freed of liquid, wherein a large rotational angle can be achieved without entanglement and self-locking of the upper part of the contraction device, and wherein the torsion wringer is of low overall height, the invention is characterized in that reduction means are provided, by way of which a force that counteracts the rotation of the upper part (2), can be reduced.

IPC 8 full level  
**A47L 13/58** (2006.01)

CPC (source: EP RU US)  
**A47L 13/58** (2013.01 - EP RU US); **A47L 13/59** (2013.01 - RU US); **A47L 13/258** (2013.01 - 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

DOCDB simple family (publication)  
**DE 102015005948 B3 20160901; DE 102015005948 B8 20170126**; AU 2016260587 A1 20171130; AU 2016260587 B2 20190307; CA 2985690 A1 20161117; CA 2985690 C 20200414; CN 107635448 A 20180126; CN 107635448 B 20200707; EP 3294104 A1 20180321; EP 3294104 B1 20190501; ES 2732469 T3 20191122; MX 2017014389 A 20180323; PL 3294104 T3 20191031; PT 3294104 T 20190717; RU 2669150 C1 20181008; TR 201910705 T4 20190821; US 10238264 B2 20190326; US 2018103821 A1 20180419; WO 2016180561 A1 20161117

DOCDB simple family (application)  
**DE 102015005948 A 20150512**; AU 2016260587 A 20160318; CA 2985690 A 20160318; CN 201680027119 A 20160318; EP 16710974 A 20160318; EP 2016056011 W 20160318; ES 16710974 T 20160318; MX 2017014389 A 20160318; PL 16710974 T 20160318; PT 16710974 T 20160318; RU 2017143127 A 20160318; TR 201910705 T 20160318; US 201615572177 A 20160318