

Title (en)
ROTARY NOZZLE FOR A HIGH-PRESSURE CLEANING DEVICE

Title (de)
ROTORDÜSE FÜR EIN HOCHDRUCKREINIGUNGSGERÄT

Title (fr)
ROTABUSE POUR NETTOYEUR HAUTE PRESSION

Publication
EP 2435190 B1 20150930 (DE)

Application
EP 10721790 A 20100521

Priority
• EP 2010057080 W 20100521
• DE 102009023647 A 20090525

Abstract (en)
[origin: WO2010136412A1] The invention relates to a rotary nozzle (10) for a high-pressure cleaning device, comprising a housing (20) with at least one inlet (48) that opens tangentially into said housing and with a pan-shaped centrally pierced recess in an end wall (28), and comprising a nozzle body (60) which is arranged in the housing and is supported in the pan-shaped recess by a spherical end (56) and the longitudinal axis (66) of which runs obliquely in relation to the longitudinal axis (38) of the housing (20), wherein liquid can be rotated in the housing (20) about the longitudinal axis (38) of the housing, and the nozzle body (60) rotates together with the rotating liquid. In order to further develop the rotary nozzle (10) in such a way that flow losses can be reduced without the operation of the rotary nozzle (10), in particular the starting behavior of the nozzle body (60), thereby being impaired markedly, a rear end area (80) of the nozzle body (60) comprises an outer contour deviating from a circular shape.

IPC 8 full level
B05B 3/04 (2006.01); **B08B 3/02** (2006.01)

CPC (source: EP US)
B05B 3/0463 (2013.01 - EP US); **B08B 3/02** (2013.01 - EP 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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102009023647 A1 20101202; BR PI1012027 A2 20160510; BR PI1012027 B1 20200609; CN 102448616 A 20120509;
CN 102448616 B 20150218; DK 2435190 T3 20151214; EP 2435190 A1 20120404; EP 2435190 B1 20150930; ES 2551163 T3 20151116;
PL 2435190 T3 20160229; RU 2011153014 A 20130710; RU 2491995 C1 20130910; US 2012138706 A1 20120607; US 8820659 B2 20140902;
WO 2010136412 A1 20101202

DOCDB simple family (application)
DE 102009023647 A 20090525; BR PI1012027 A 20100521; CN 201080022776 A 20100521; DK 10721790 T 20100521;
EP 10721790 A 20100521; EP 2010057080 W 20100521; ES 10721790 T 20100521; PL 10721790 T 20100521; RU 2011153014 A 20100521;
US 201113299459 A 20111118