

Title (en)
DEVICE FOR CLEANING OBJECTS

Title (de)
EINRICHTUNG ZUR REINIGUNG VON GEGENSTÄNDEN

Title (fr)
DISPOSITIF SERVANT À NETTOYER DES OBJETS

Publication
EP 3253531 A1 20171213 (DE)

Application
EP 16701497 A 20160126

Priority
• AT 500852015 A 20150203
• EP 2016051481 W 20160126

Abstract (en)
[origin: WO2016124435A1] The invention relates to a device (1) for cleaning objects, in particular workpieces, comprising a rotary nozzle head (7) which is mounted in a rotatable manner about a rotational axis (7a), which is arranged in a working chamber (6) of a housing (2), and on which multiple nozzles (9) are arranged that can be connected to at least one pressure line for a cleaning medium. The working chamber (6) is made of at least one end wall (4) arranged in the region of a first end face (3) and a casing (5) of the housing (2). A concave inner lateral surface (5a), preferably an at least partly cylindrical inner lateral surface, of the casing (5) partly surrounds the rotary nozzle head (7), and the casing (14) of the housing (13) has at least one discharge region (11) for the cleaning medium. The working chamber (19) is open towards a cleaning region (16) facing away from the end wall (4) in the region of a second end face (15). The casing (5) is at least partly surrounded by at least one channel (17) which is connected to or can be connected to at least one suction line (14). The aim of the invention is to allow an improved cleaning of objects. This is achieved in that a discharge chamber (13) connected to the suction line is arranged in the discharge region (11), said discharge chamber being fluidically connected to at least one end (17a; 17b) of the channel (17), preferably to a first end (17a) and a second end (17b) of the channel (17), and the discharge chamber (13) is connected to the working chamber (6) via at least one opening (12) in the casing (5).

IPC 8 full level
B23Q 11/00 (2006.01); **B08B 3/02** (2006.01); **B08B 5/02** (2006.01); **B08B 5/04** (2006.01); **B08B 15/02** (2006.01); **B08B 15/04** (2006.01); **E01H 1/10** (2006.01)

CPC (source: AT EP)
B08B 3/02 (2013.01 - AT); **B08B 3/024** (2013.01 - EP); **B08B 5/02** (2013.01 - EP); **B08B 5/04** (2013.01 - EP); **B08B 15/02** (2013.01 - EP); **B08B 15/04** (2013.01 - EP); **E01H 1/103** (2013.01 - EP); **B08B 2203/0229** (2013.01 - EP)

Citation (search report)
See references of WO 2016124435A1

Cited by
WO2020099163A1

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)
WO 2016124435 A1 20160811; AT 516740 A4 20160815; AT 516740 B1 20160815; EP 3253531 A1 20171213

DOCDB simple family (application)
EP 2016051481 W 20160126; AT 500852015 A 20150203; EP 16701497 A 20160126