

Title (en)
AN APPARATUS FOR DRESSING A GRINDING WHEEL

Title (de)
VORRICHTUNG ZUM ABRICHTEN EINER SCHLEIFSCHEIBE

Title (fr)
APPAREIL DE DRESSAGE D'UNE MEULE

Publication
EP 3159104 A1 20170426 (EN)

Application
EP 15190814 A 20151021

Priority
EP 15190814 A 20151021

Abstract (en)
An apparatus (1) for dressing a grinding wheel (2) mounted thereon by creating structures (12) on the surface of a, in particular cylindrical, grinding surface (3) of the grinding wheel (2), the apparatus (1) comprising: - a dressing tool holder (6) arranged for accommodating a dressing tool (4) in a dressing position, - a controllable actuator (7) for adjusting the position of the tool holder (6) within the apparatus (1) in at least one direction (x), - a grinding wheel support (14) for rotatably supporting a grinding wheel (2) to be dressed, the apparatus (1) further comprises means (13, 9) for monitoring an individual structure (12), created by the dressing tool (4) on the surface of the grinding wheel (2), and means (8) for monitoring a circumferential position and/or the rotary speed (19) of the grinding wheel (2), and means (10) for controlling the actuator (7), adapted to control the actuator (7) as a function of the monitored structure (12) and the monitored circumferential position and/or rotary speed (19).

IPC 8 full level
B24B 53/00 (2006.01); **B24B 49/00** (2012.01); **B24B 53/04** (2012.01); **B24B 53/08** (2006.01)

CPC (source: EP US)
B24B 49/00 (2013.01 - EP US); **B24B 49/003** (2013.01 - EP US); **B24B 53/005** (2013.01 - EP US); **B24B 53/04** (2013.01 - EP US); **B24B 53/08** (2013.01 - EP US)

Citation (applicant)
EP 0876875 A1 19981111 - GEUZINGE ALBERT [NL], et al

Citation (search report)
• [Y] JP 2007260880 A 20071011 - JTEKT CORP
• [Y] EP 2801441 A1 20141112 - JTEKT CORP [JP]
• [A] US 2015258659 A1 20150917 - ONO NAOTO [JP], et al
• [A] JP 2007175815 A 20070712 - JTEKT CORP

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 3159104 A1 20170426; BR 112018007943 A2 20181030; CN 108430698 A 20180821; US 2018311789 A1 20181101; WO 2017067884 A1 20170427

DOCDB simple family (application)
EP 15190814 A 20151021; BR 112018007943 A 20161017; CN 201680060260 A 20161017; EP 2016074883 W 20161017; US 201615770107 A 20161017