

Title (en)
PNEUMATIC TOOL

Title (de)
PNEUMATISCHES WERKZEUG

Title (fr)
OUTIL PNEUMATIQUE

Publication
EP 3332916 A3 20180815 (EN)

Application
EP 17205914 A 20171207

Priority
CN 201621342224 U 20161208

Abstract (en)
[origin: EP3332916A2] A pneumatic tool including a cylinder, a piston inside the cylinder and adapted to reciprocate, and a piston rod connected to the piston. The piston has a first seal ring and a second seal ring fixed thereto. The first seal ring and the second seal ring are spaced apart along the cylinder axial direction and a storage space for storing lubricating oil is defined between the first seal ring and the second seal ring. The pneumatic tool in the disclosure may effectively avoid the problems that the frictional force increases because of the lubricating oil depleting due to the use of the tool for a long time, and even worse the pneumatic tool does not work effectively.

IPC 8 full level
B25C 1/04 (2006.01)

CPC (source: EP)
B25C 1/047 (2013.01)

Citation (search report)

- [X] US 2009090759 A1 20090409 - LEIMBACH RICHARD L [US], et al
- [X] US 3160075 A 19641208 - POWERS RICHARD E
- [X] US 3572211 A 19710323 - DOYLE RICHARD H
- [A] US 2015136826 A1 20150521 - MASSLER ORLAW [LI], et al
- [A] US 6016946 A 20000125 - PHILLIPS ALAN [US], et al
- [A] US 4523646 A 19850618 - DOYLE RICHARD H [US], et al

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WO2024004878A1

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 3332916 A2 20180613; EP 3332916 A3 20180815; AU 2017272203 A1 20180628; CN 206509978 U 20170922

DOCDB simple family (application)
EP 17205914 A 20171207; AU 2017272203 A 20171206; CN 201621342224 U 20161208