

Title (en)

POWER-DRIVEN WRENCH WITH AN ACTION ARM AND A REACTION ARM, PREFERABLY CONSTRUCTED AS A HOUSING

Publication

EP 0163009 A3 19870506 (DE)

Application

EP 85101942 A 19850222

Priority

DE 3420446 A 19840601

Abstract (en)

[origin: US4765210A] The nut-runner has a power arm and a reaction arm constructed preferably as a casing, each of which is guided in a first end region so as to be pivotable opposite the other about a common axis. It has a clamp wheel with gearing mounted in a drilled hole in the first end region of the power arm so as to be rotatable about the axis, and a catch mounted on the power arm and interacting with this clamp wheel, said catch being in the engaged position when the power arm pivots in one direction, in which said catch engages with the teeth of the clamp wheel and slips over the teeth of the clamp wheel when the power arm pivots in the other direction. The nut-runner also has a hydraulic power cylinder consisting of a cylinder and a piston and acting between the two arms in the vicinity of their other end regions. The reaction arm encompasses the clamp wheel through a maximum of 180 degrees. The arm engage each other by way of a circular guide positioned concentrically relative to the axis, extending through a maximum of 180 degrees, and consisting of a guide groove and a projection, said guide being positioned between the axis and the second end region of the arms.

IPC 1-7

B25B 21/00

IPC 8 full level

B25B 21/00 (2006.01)

CPC (source: EP US)

B25B 21/005 (2013.01 - EP US)

Citation (search report)

- [A] US 3097551 A 19630716
- [A] US 3527327 A 19700908 - MCCREARY CHARLES H
- [A] US 4380859 A 19830426 - YAMAZAKI AKIRA [JP]
- [A] EP 0035165 A1 19810909 - WAGNER PAUL HEINZ [DE]
- [A] US 4339968 A 19820720 - KRIEGER WILLARD
- [T] EP 0153711 A2 19850904 - APPLIED POWER INC [US]

Cited by

EP0563821A1; GB2182592A; EP0240012A1; WO8702610A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 0163009 A2 19851204; EP 0163009 A3 19870506; EP 0163009 B1 19900905; DE 3420446 A1 19851205; DE 3579494 D1 19901011; ES 296614 U 19881116; ES 296614 Y 19890601; JP S6156875 A 19860322; US 4765210 A 19880823

DOCDB simple family (application)

EP 85101942 A 19850222; DE 3420446 A 19840601; DE 3579494 T 19850222; ES 296614 U 19850601; JP 11771385 A 19850601; US 74432585 A 19850613