

Title (en)

SECURING DEVICE AND METHOD FOR SECURING A RUNNING WHEEL OF A COMPRESSOR ON A DRIVESHAFT

Title (de)

BEFESTIGUNGSVORRICHTUNG SOWIE VERFAHREN ZUR BEFESTIGUNG EINES LAUFRADES EINES VERDICHTERS AUF EINER ANTRIEBSWELLE

Title (fr)

DISPOSITIF DE FIXATION ET PROCÉDÉ POUR FIXER UNE ROUE À AUBES D'UN COMPRESSEUR SUR UN ARBRE D'ENTRÉE

Publication

EP 3164604 A1 20170510 (DE)

Application

EP 15728540 A 20150612

Priority

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- DE 102015106638 A 20150429

Abstract (en)

[origin: WO2016000933A1] The invention relates to securing devices for running wheels (30) of compressors on driveshafts (10), having a driveshaft (10) with an axial portion (32), which has an outer thread (34), and a running wheel (30), which is pretensioned axially against a stop (20) formed on the driveshaft (10) by means of a securing nut (36) screwed onto the outer thread (34) of the driveshaft (10). In order to prevent a torsion of the shaft as much as possible, a contour (38) is formed on an axial end (37) from which the running wheel (30) can be pushed onto the driveshaft (10). A corresponding wrench, via which the torques can be directly received, can be plugged into said contour when tightening the securing nut (36).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2016000933A1

Citation (examination)

- GB 2508921 A 20140618 - VALEO AIR MAN UK LTD [GB]
- DE 102009005386 A1 20100722 - BOSCH MAHLE TURBO SYSTEMS GMBH [DE]
- US 4729724 A 19880308 - HENNING HANS-HEINRICH [DE], et al

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