Title (en)

IMPROVED ADAPTER AND ROLLING ASSEMBLY COMPRISING SUCH AN ADAPTER

Title (de)

VERBESSERTER ADAPTER UND WALZANORDNUNG MIT SOLCH EINEM ADAPTER

Title (fr)

EXTENSEUR PERFECTIONNE ET ENSEMBLE ROULANT COMPORTANT UN TEL EXTENSEUR

Publication

EP 3898288 A1 20211027 (FR)

Application

EP 19848931 A 20191219

Priority

- FR 1873494 A 20181220
- FR 1900984 A 20190201
- FR 2019053200 W 20191219

Abstract (en)

[origin: CA3121666A1] Disclosed is an adapter for a rolling assembly with an axis of rotation X-X' comprising a tyre (2), a rim (3), and an adapter (100), the adapter comprising an axially inner end (10), an axially outer end (11) and a body (12), in which the axially outer end comprises an outer reinforcing element (15) that is a structure that is substantially rotationally symmetrical about the axis X-X' comprising several windings of at least one wire arranged axially next to each other over several layers stacked radially on each other. According to the invention, the cross section of the outer reinforcement (15) has a ratio of the moments of inertia Ix/Iy greater than 1.3 for an axial width of between 6 and 9 mm, in which Ix is the moment of inertia around a first axis passing through its centre of gravity and parallel to the axis of rotation X-X' and Iy is the moment of inertia around a second axis passing through its centre of gravity and perpendicular to the first axis.

IPC 8 full level

B60C 15/02 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2020128362A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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FR 3090486 A1 20200626; **FR 3090486 B1 20210101**; CA 3121666 A1 20200625; CN 113195264 A 20210730; EP 3898288 A1 20211027; FR 3090487 A3 20200626; US 2022144020 A1 20220512

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FR 1900984 A 20190201; CA 3121666 A 20191219; CN 201980082991 A 20191219; EP 19848931 A 20191219; FR 1873494 A 20181220; US 201917415805 A 20191219