

Title (en)

AUTOMATED FORK SYSTEM AND METHOD AND AUTOMATED GUIDED VEHICLE HAVING SUCH FORK SYSTEM

Title (de)

AUTOMATISIERTES GABELSYSTEM UND VERFAHREN SOWIE AUTOMATISIERTES GEFÜHRTES FAHRZEUG MIT EINEM SOLCHEN GABELSYSTEM

Title (fr)

SYSTÈME ET PROCÉDÉ DE FOURCHE AUTOMATISÉ ET VÉHICULE GUIDÉ AUTOMATISÉ AYANT UN TEL SYSTÈME DE FOURCHE

Publication

**EP 4003898 B1 20230419 (EN)**

Application

**EP 20731114 A 20200611**

Priority

- EP 19425058 A 20190725
- EP 2020066176 W 20200611

Abstract (en)

[origin: EP3770106A1] An automated fork system (1) is described, comprising: at least two arms (7); at least one fork-carrier plate (9) connected to such extensible shaped arms (7); at least two fork arms (3) each connected to an arm (7); and a plurality of retractable prongs (5) connected to at least one fork arm (3). An automated guided vehicle equipped with such system (1) and a method for automatically lifting a pallet are also described.

IPC 8 full level

**B66F 9/06** (2006.01); **B66F 9/075** (2006.01); **B66F 9/18** (2006.01)

CPC (source: EP)

**B66F 9/063** (2013.01); **B66F 9/0755** (2013.01); **B66F 9/18** (2013.01)

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

DOCDB simple family (publication)

**EP 3770106 A1 20210127**; EP 4003898 A1 20220601; EP 4003898 B1 20230419; ES 2949810 T3 20231003; PL 4003898 T3 20230724; WO 2021013430 A1 20210128

DOCDB simple family (application)

**EP 19425058 A 20190725**; EP 2020066176 W 20200611; EP 20731114 A 20200611; ES 20731114 T 20200611; PL 20731114 T 20200611