

Title (en)
Gear rack

Title (de)
Zahnstange

Title (fr)
Crémaillère

Publication
EP 2532813 A1 20121212 (DE)

Application
EP 11169100 A 20110608

Priority
EP 11169100 A 20110608

Abstract (en)
The rack (22',26') has several drive recesses (24a,24a') for engagement of a drive pinion (18,18'), and coupling recess (36a',36b) on top surface (34,34'). A coupling projection (30a',30b) for coupling of the rack with a drive rod (12') of the drive rod fitting (10') or coupling recess of another rack is formed in bottom surface (32'). Independent claims are included for the following: (1) method for manufacturing rack; and (2) drive rod fitting.

Abstract (de)
Zahnstange (22') für einen Treibstangenbeschlag (10'), die zumindest an ihrer Oberseite (34') mehrere Antriebsvertiefungen (24a') zum Eingriff eines Antriebsritzels (18') aufweist, wobei die Zahnstange (22') an ihrer der Oberseite (34') gegenüberliegenden Unterseite (32') zumindest ein erstes Kopplungsmittel (30a', 30b) zur Kopplung der Zahnstange (22') mit einer Treibstange (12') des Treibstangenbeschlags (10') oder einer weiteren Zahnstange (26') aufweist.

IPC 8 full level
E05B 63/00 (2006.01); **E05C 9/02** (2006.01)

CPC (source: EP)
E05B 63/0056 (2013.01); **E05C 9/021** (2013.01)

Citation (search report)
• [XAI] DE 1284871 B 19681205 - JAEGER KG FRANK
• [XAI] WO 2008088157 A1 20080724 - LG CHEMICAL LTD [KR], et al
• [XI] FR 2131736 A5 19721110 - SIEGENIA FRANK KG
• [X] US 5642909 A 19970701 - SWAN DAVID A [US], et al

Cited by
EP3822439A1; GB2602145A; EP4026966A3

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 2532813 A1 20121212; EP 2532813 B1 20140910; CN 102817993 A 20121212; CN 102817993 B 20160713; PL 2532813 T3 20150331; SI 2532813 T1 20141128

DOCDB simple family (application)
EP 11169100 A 20110608; CN 201210188554 A 20120608; PL 11169100 T 20110608; SI 201130274 T 20110608