

Title (en)  
OPTIMIZED HUB SUPPORT

Title (de)  
OPTIMIERTE NABENABSTÜTZUNG

Title (fr)  
SOUTIEN DE MOYEU OPTIMISÉ

Publication  
**EP 3371443 B1 20240410 (DE)**

Application  
**EP 16790990 A 20161102**

Priority  
• DE 102015221370 A 20151102  
• EP 2016076458 W 20161102

Abstract (en)  
[origin: WO2017076920A1] The invention relates to a piston (1), assembled from an upper part (2), which has a cooling channel (4), and a lower part (3), which has a pin bore (6), wherein the upper part (2) and the lower part (3) have contact surfaces that face each other and the two parts (2, 3) are held together by means of at least one threaded connection (12), wherein the lower part (3), proceeding from the inner region thereof above a peak (8) of the pin bore (6), has a cut-out (10) directed toward an outer periphery (15) and, proceeding from an outer region, has at least one web (13) above the pin bore (6), which web likewise points in the direction of the outer periphery (15).

IPC 8 full level  
**F02F 3/00** (2006.01); **F02F 3/22** (2006.01)

CPC (source: EP KR US)  
**F02F 3/0023** (2013.01 - EP KR US); **F02F 3/22** (2013.01 - EP KR US)

Citation (examination)  
GB 268399 A 19270407 - ADOLPH LINCOLN NELSON

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)  
**DE 102016120907 A1 20170504**; CN 108271404 A 20180710; CN 108271404 B 20210720; EP 3371443 A1 20180912; EP 3371443 B1 20240410; JP 2018534470 A 20181122; JP 6692424 B2 20200513; KR 20180078251 A 20180709; US 10871125 B2 20201222; US 2018313293 A1 20181101; WO 2017076920 A1 20170511

DOCDB simple family (application)  
**DE 102016120907 A 20161102**; CN 201680062610 A 20161102; EP 16790990 A 20161102; EP 2016076458 W 20161102; JP 2018522677 A 20161102; KR 20187012686 A 20161102; US 201615772205 A 20161102