

Title (en)
Starter

Title (de)
Anlasser

Title (fr)
Démarreur

Publication
EP 2055937 A3 20100721 (EN)

Application
EP 08017843 A 20081010

Priority
JP 2007285123 A 20071101

Abstract (en)
[origin: EP2055937A2] A starter (1) has a built-in shock absorbing unit (9) in which gaps (A, A-1) are formed in an axial direction between an outer periphery of a ring drive (45) and an outer periphery of a ring spacer (47), and gaps (B, B-1) are formed in a diameter direction between the outer periphery of the ring spacer (47) and an outer periphery of a ring drive (46). Even if grease flows out toward the gaps (A, A-1) in the axial direction from a dumber space by centrifugal force of rotation of an output shaft (6) of the starter (1), it is possible to prevent the grease from being scattered or flying out to the outside of the unit (9) through the gap (A, A-1) because the outside in the diameter direction of the gaps (A, A-1) is covered with an outer peripheral wall (47a) of the ring spacer (47).

IPC 8 full level
F02N 11/00 (2006.01); **F02N 15/06** (2006.01)

CPC (source: EP)
F02N 15/063 (2013.01); **F02N 11/00** (2013.01)

Citation (search report)

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- [XDI] JP 2006207573 A 20060810 - DENSO CORP
- [I] US 2343967 A 19440314 - FITZ GERALD MARY C
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- [A] JP S5820962 A 19830207 - HITACHI LTD

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EP2381086A1; FR2957637A1; CN102549256A; WO2011039357A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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