



(11)

**EP 2 093 415 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**14.12.2011 Bulletin 2011/50**

(51) Int Cl.:  
**F02N 15/02** (2006.01)

(43) Date of publication A2:  
**26.08.2009 Bulletin 2009/35**

(21) Application number: **09001110.7**

(22) Date of filing: **27.01.2009**

(84) Designated Contracting States:  
**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 SE SI SK TR**  
 Designated Extension States:  
**AL BA RS**

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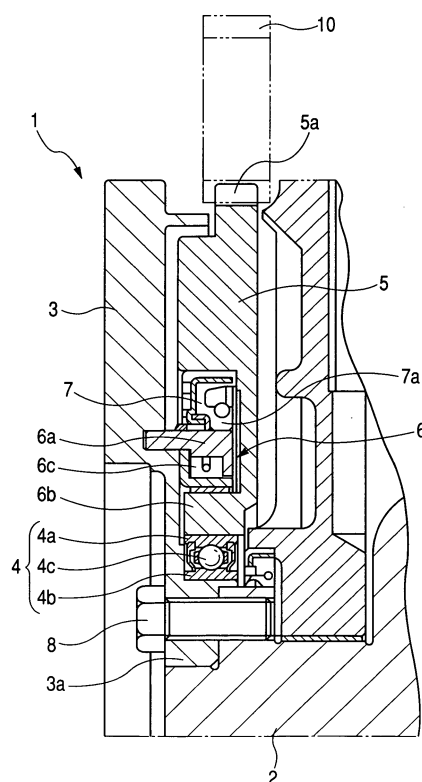
(30) Priority: 20.02.2008 JP 2008039194

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(54) **Torque transmission apparatus for transmitting driving torque from starter motor to internal combustion engine**

(57) In a torque transmission apparatus 1, an oil seal 7 is placed at an outer periphery of a clutch 6 in its diameter direction. The clutch 6 has an outer 6a, an inner 6b, and a link member 6c. A lip part 7a of the oil seal 7 slides on the outer periphery of the outer 6a fixed to a primary rotary body 3. A bearing 4 placed at the inner periphery of the clutch 6 in the diameter direction is a ball bearing with a seal. In particular, a filling ratio of a lubricant with which a filling space formed between the bearing 4 and the oil seal 7 is filled is not more than 60 %. When an engine rotates, this structure suppresses the inner pressure of the oil seal 7 from increasing and a torque loss from increasing. The above structure decreases the fuel consumption of the engine.

FIG. 1





## EUROPEAN SEARCH REPORT

Application Number  
EP 09 00 1110

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The present search report has been drawn up for all claims			
Place of search <b>The Hague</b>		Date of completion of the search <b>3 November 2011</b>	Examiner <b>Trotureau, Damien</b>
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03/02 (P04C01)



## EUROPEAN SEARCH REPORT

Application Number  
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<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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