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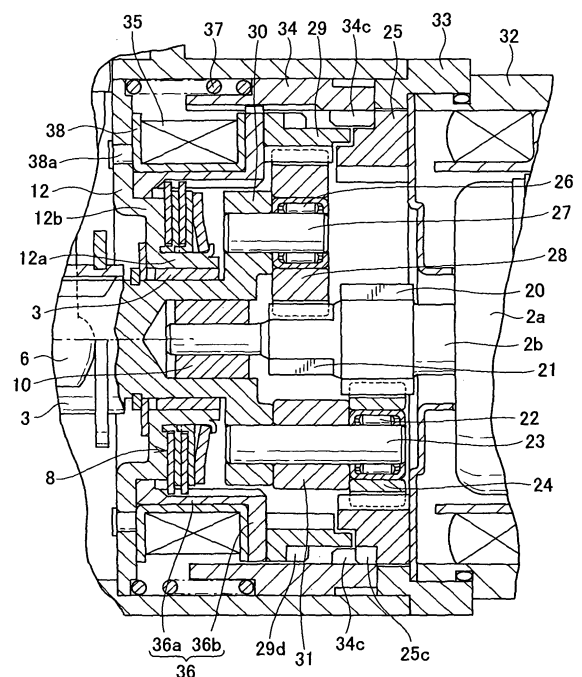
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(54) **Speed reduction type starter for engines**

(57) While engaging mechanically with one of the two internal gears (25) and (29) used for two gear reduction systems and suppressing rotation of the internal gear of one of these, there is provided a gear-switching member (34) that permits rotation of the other internal gear, the gear-switching member (34) is connected with a rotating friction plate (39) of an impact-absorbing mechanism 8 via a yoke (36). Thereby, if excessive shock is transmitted to an output shaft (3) of the starter from an engine side, rotation load will be transmitted to the rotating friction plate (39) via the yoke (36) from the gear-switching member (34) that engages with the internal gear (25) or the internal gear (29). Consequently, when the rotating friction plate (39) rotates resisting frictional force, the excessive shock can be eased and a power transfer system of the starter can be protected from excessive shock.

FIG.2





EUROPEAN SEARCH REPORT

Application Number
EP 08 01 7844

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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 7 April 2010	Examiner Parmentier, Hélène
CATEGORY OF CITED DOCUMENTS 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 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 & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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