



US009410512B2

(12) **United States Patent**
Takahashi et al.

(10) **Patent No.:** **US 9,410,512 B2**
(45) **Date of Patent:** **Aug. 9, 2016**

(54) **AIR INTAKE APPARATUS FOR FOUR WHEELED UTILITY VEHICLE**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(21) Appl. No.: **13/836,800**

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(22) Filed: **Mar. 15, 2013**

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(65) **Prior Publication Data**

US 2014/0261275 A1 Sep. 18, 2014

(57) **ABSTRACT**

(51) **Int. Cl.**
B60K 11/06 (2006.01)
B60K 13/02 (2006.01)
F02M 35/16 (2006.01)

An air intake apparatus is provided for a utility vehicle having a front seat, a rear seat, a cargo bed, an engine arranged below the rear seat and/or the cargo bed, and a V-belt type continuously variable transmission arranged sideward of the engine. The apparatus includes an air cleaner connected to an air intake portion of the engine via a intake manifold, a cooling duct connected to an air intake portion for cooling the V-belt type continuously variable transmission, and a space in which front, rear, right, left, and lower sides thereof are surrounded by surrounding members arranged below the front seat or the rear seat. The air cleaner, an air intake opening thereof, and an air intake opening at an end of the cooling duct are arranged in the space.

(52) **U.S. Cl.**
CPC **F02M 35/164** (2013.01); **B60K 11/06** (2013.01); **B60K 13/02** (2013.01); **F02M 35/161** (2013.01)

(58) **Field of Classification Search**
USPC 180/68.1, 68.2, 68.3, 291, 292
See application file for complete search history.

8 Claims, 7 Drawing Sheets

