



US009409836B2

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

(10) **Patent No.:** **US 9,409,836 B2**  
(45) **Date of Patent:** **Aug. 9, 2016**

(54) **PROCESS FOR HYDROGENATION OF OLEFINIC OR ACETYLENIC BONDS**

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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.

(21) Appl. No.: **14/374,148**

(22) PCT Filed: **Jan. 24, 2013**

(86) PCT No.: **PCT/IB2013/000076**

§ 371 (c)(1),

(2) Date: **Jul. 23, 2014**

(87) PCT Pub. No.: **WO2013/110995**

PCT Pub. Date: **Aug. 1, 2013**

(65) **Prior Publication Data**

US 2015/0239821 A1 Aug. 27, 2015

(30) **Foreign Application Priority Data**

Jan. 25, 2012 (IN) ..... 218/DEL/2012

May 4, 2012 (IN) ..... 1361/DEL/2012

(51) **Int. Cl.**

**C07C 5/03** (2006.01)

**C07C 5/08** (2006.01)

(Continued)

(52) **U.S. Cl.**

CPC ..... **C07C 5/03** (2013.01); **B01J 23/002** (2013.01); **B01J 23/58** (2013.01); **B01J 23/6525** (2013.01);

(Continued)

(58) **Field of Classification Search**

CPC ..... B01J 23/58; B01J 23/44; B01J 23/88; B01J 23/652; B01J 23/002; C07C 5/03; C07C 5/08; C07C 5/09; C07C 5/02; C11C 3/126

See application file for complete search history.

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(57) **ABSTRACT**

The present invention relates to a process for hydrogenation of olefinic or acetylenic bonds. Further, the present invention relates to a process for selective hydrogenation of olefinic or acetylenic bonds and/including triglycerides using modified metal supported on solid acidic metal oxide catalyst and the process for the preparation thereof. The present invention provides a process for hydrogenation of olefinic or acetylenic bonds using metal supported on solid acid metal oxide based catalyst, at moderate conditions. The present invention also relates to the preparation of metal supported on solid acid metal oxide based catalyst for hydrogenation reactions under mild conditions.

**10 Claims, 1 Drawing Sheet**

