(19) INDIA

(22) Date of filing of Application :06/03/2023

(43) Publication Date: 17/03/2023

### (54) Title of the invention: MULTIFUNCTIONAL HAND SAW

(51) International	:B23D 510100, B23D 511000, B23D
classification	611200, B23Q 090000, B27G 050200
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

## (71)Name of Applicant:

# 1)Chitkara University

Address of Applicant: Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ------

#### 2) Chitkara Innovation Incubator Foundation

Name of Applicant: NA Address of Applicant: NA (72)Name of Inventor: 1)SACHDEVA, Payal

Address of Applicant: Civil Engineering, Chitkara University Institute of Engineering and Technology, Applied Engineering, Chitkara University, Chandigarh - Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ------

## 2) CHAUDHARY, Akshav

Address of Applicant: Civil Engineering, Chitkara University Institute of Engineering and Technology, Applied Engineering, Chitkara University, Chandigarh - Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -------

### 3)SACHDEVA, Pawan

Address of Applicant :Mechanical Engineering, Thapar Institute of Engineering and Technology (TIET), Bhadson Road, Adarsh Nagar, Prem Nagar, Patiala, Punjab – 147004, India. Patiala -----

## (57) Abstract:

According to the embodiments illustrated herein, a multifunctional hand saw 100 relates to a saw industry for multipurpose usage, and professional tool that is designed to combine all features of blades, sandpaper, and built-in flint lighter together around house, shop, and even outdoors too. The handsaw 100 includes a pair of blades 102 which is mounted on upper part and lower part of body respectively. The pair of blades 102 attached through a hinge assembly 112 from a first bolt 116, and a second bolt 118 in order to the pair of blades 102. Additionally, the body includes a handle to secure a firm grip along with a built-in flint lighter which can be helpful for user who need a hand saw 100 during camping for cutting woods and to fire them up.

No. of Pages: 17 No. of Claims: 10