

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202431001437 A

(19) INDIA

(22) Date of filing of Application :08/01/2024

(43) Publication Date : 23/02/2024

(54) Title of the invention : A brake pad material using hybrid (carbon/basalt/MWCNTs) composite material and a process for the preparation thereof

(51) International classification :F16D0069020000, B29L0031000000, B32B0027080000, B32B0009000000, D03D0015000000 (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA		(71)Name of Applicant : 1)INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES), DHANBAD Address of Applicant :Dhanbad - 826004, Jharkhand, India Dhanbad ----- Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Kalyan Kumar Singh Address of Applicant :Department of Mechanical Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad, Dhanbad – 826004, Jharkhand, India Dhanbad ----- ----- 2)Santosh Kumar Address of Applicant :Department of Mechanical Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad, Dhanbad – 826004, Jharkhand, India Dhanbad ----- ----- 3)Rahul Biswas Address of Applicant :Department of Mechanical Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad, Dhanbad – 826004, Jharkhand, India Dhanbad ----- -----
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(57) Abstract :

The present invention relates to a brake pad material comprising layers of at least two types of fibres stacked in layers in a predetermined order with Multi-walled Carbon Nanotubes (MWCNTs)/epoxy layer between any two layers, the number of layers being from about 6 to 10 with the core layers being made of carbon fabric and the outer layers being basalt fabric.

No. of Pages : 26 No. of Claims : 16