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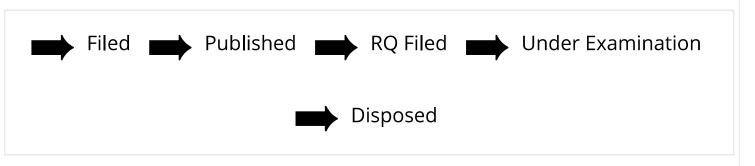


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APPLICANT NAME	Vishnu Institute of Technology,	
TITLE OF INVENTION	SUSTAINABLE ALTERNATIVES TO TRADITIONAL BRICKS: FLY ASH, POND ASH,RED MUD IN COMPARISON	
FIELD OF INVENTION	METALLURGY	
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## (54) Title of the invention: SUSTAINABLE ALTERNATIVES TO TRADITIONAL BRICKS: FLY ASH, POND ASH, RED MUD IN COMPARISON

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## (57) Abstract:

Numerous studies have been conducted to determine the best ways to use fly ash and pond ash in the construction sector since they have the right pozzolanic qualities. Fly ash and Pond ash application in construction materials have several advantages like economic effectiveness, environmental friendly, improvements in strength and also conservation of natural resources and materials. The results of the tests were compared to those of regular bricks. Bricks produced using fly ash have a compressive strength of more than 20 MPa. This often outperforms the best load-bearing clay bricks on the market by over 25% and is far superior than conventional clay bricks that are allowed for commercial use. Fly ash bricks are more affordable, stronger, and more lasting than traditional clay bricks. Additionally, there is less pollution produced during the fly ash brick making process. Fly ash bricks have significantly less dampness-related problems than their clayey counterparts because they are less permeable than clay bri

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