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पेटेंट कार्यालय का एक प्रकाशन  
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## **INTRODUCTION**

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01<sup>st</sup> January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

**( Om Prakash Gupta )**  
**CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS**

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(57) Abstract :

A mixture for construction comprising cement mixed in a substantial amount of water, fine and coarse aggregates and a plasticizer as an admixture, wherein the plasticizer is prepared from rain tree pods which is used to increase workability and hardening rate of the mixture. The plasticizer substantially reduces 10-15% of water required by the mixture and increases compressive strength of the mixture to 17.65% compared to normal construction mixture. A method of preparing a plasticizer comprising extracting a solution from rain tree pods, culturing yeast at controlled conditions and breaking down retarders present in the extracted solution using the yeast culture, wherein the solution after breakdown of retarders act as a stable water reducing plasticizer in a concrete mixture improving its workability and hardening rate. In an embodiment, the breakdown of retarders is achieved by fermentation of the extracted solution using the yeast culture at predetermined temperature.

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