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(57) Abstract :

The present invention discloses a nanomaterial for joining of similar or dissimilar nanostructured material in different forms and a method thereof comprising titanate based nanomaterials including hydrogen titanate or sodium titanate for joining of similar or dissimilar nanostructured material in different forms including nanowires/nanorods/nanotube/ribbons/pallets, cubes, particles, belts, springs, films and others forms under ion and/or electron beam irradiation or melting involving focused ion/electron beam techniques, plasma irradiation, laser radiation.

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