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(51) International classification	:B01F0005060000, B01F0007000000, B01F0005100000, D21J0003000000, E01C0023060000	(71)Name of Applicant : 1)Chandigarh Group of Colleges, Jhanjeri Address of Applicant :State Highway 12A Jhanjeri, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab India
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(57) Abstract :

An in-vehicle integrated system for hardboard manufacturing comprises, a cutter 1 associated with a vehicle for cutting plants, wherein a first conveyor belt 2 is mounted in proximity with the cutter 1 via spinning augers 7 to move chopped materials, a mixer 3 having an opening for receiving the materials, wherein the mixer 3 is having multiple blades to grind the materials, a spreader 4 equipped with a tube 8 and the tube 8 supplies fluid in the mixer 3 to form pulp mixture which is passed through an outlet chamber of the mixer 3 after proper mixing, a second conveyor belt 5 engraved with moulds and arranged to receive pulp mixture into the moulds via the outlet chamber and a compressor 6 equipped with multiple blades and the compressor 6 is configured for exerting pressure on the pulp mixture stored in the moulds and cuts pulps to form hardboards with desired shapes. Ref Figure 1.

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