

Title (en)

WET PROCESS PRODUCTION OF THICK BOARDS USING INORGANIC FIBERS

Title (de)

NASSVERFAHREN ZUR HERSTELLUNG VON DICKEN PLATTEN AUS ANORGANISCHEN FASERN

Title (fr)

PRODUCTION PAR VOIE HUMIDE DE PANNEAUX EPAIS AU MOYEN DE FIBRES INORGANIQUES

Publication

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Application

EP 00930767 A 20000517

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- US 13461499 P 19990518

Abstract (en)

[origin: WO0070147A1] A method and system provide for the production of mineral fiber boards using at least 25 % (preferably at least about 90 %) inorganic fibers having enhanced uniformity, compressive strength, and dimensional stability. The source of fibers may be pre and/or post consumer recycled fiberglass. A liquid slurry of solids, including at least 25 % inorganic fibers having an average length of at least about one-half inch, with a solids consistency of about 0.4-8 % is formed. A pack at least about one inch thick is formed from the slurry using a foraminous element, and water is extracted. The pack is dried, and binder may be added and cured, to produce a product at least about one inch thick. Exhaust gases from the drier may be filtered by passage through the pack prior to drying, while also facilitating dewatering of the pack.

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