

SOUND ABSORBENT COMPOSITE MATERIAL AND OBTAINING PROCESS

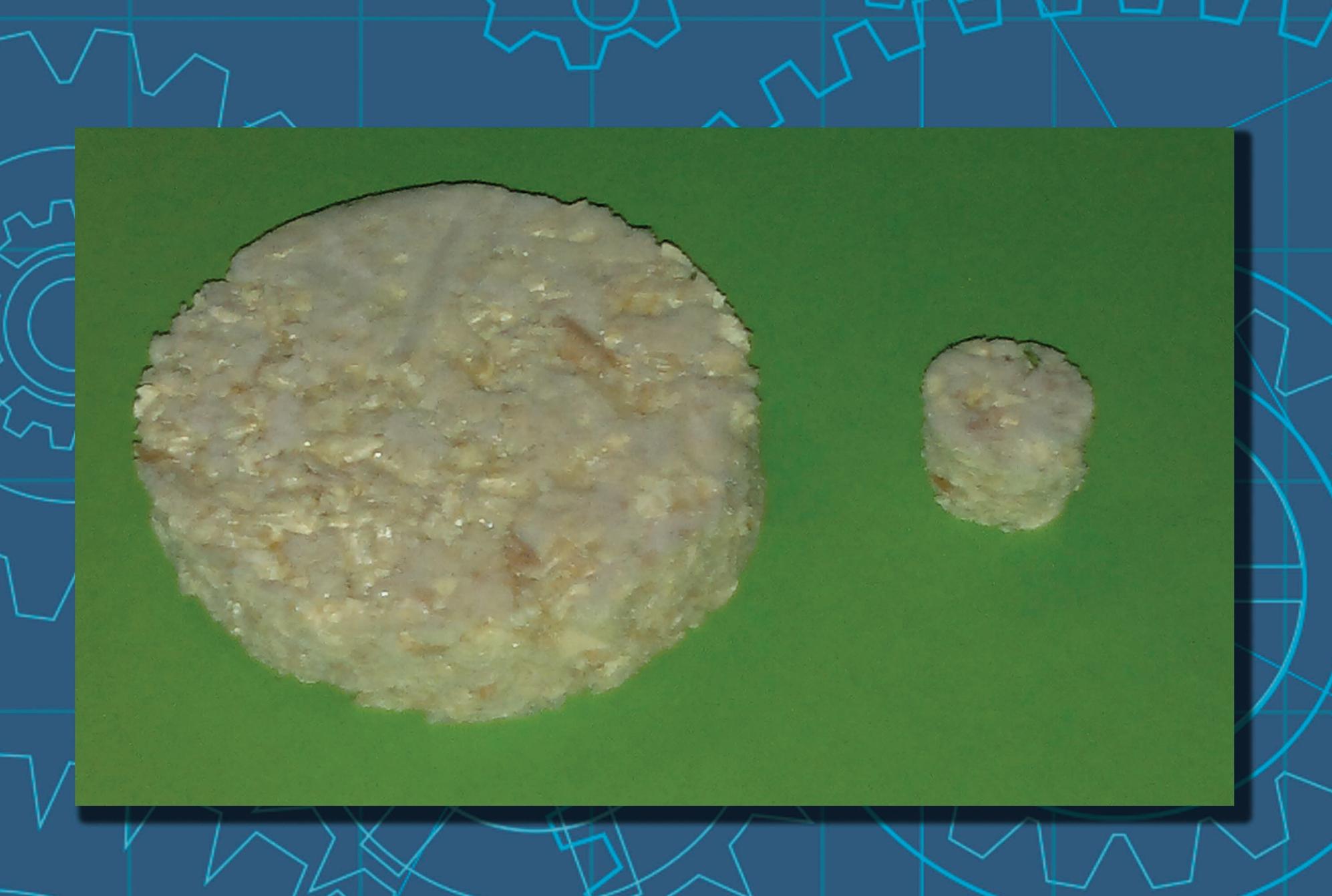
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Description:

The patent relates to a sound-absorbent composite material used to reduce the overall noise, to reduce the structural noise transmission and to obtain appropriate acoustic spaces. The sound-absorbent material consists of softwood sawdust or beech wood fibers and of flexible two-component polyurethane (PUF). The manufacturing process consists in mixing the two components of the polyurethane foam, at room temperature, with the wood fibers. The mixture is poured quickly into a mold, due to the high reaction speed, the mold covered with a cap and left for for 30 ... 45 minutes completion of the chemical reaction and to achieve the dimensional stability.

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Applicability:

Sound absorbent plates waste based manufacturing