

Title (en)

ECOLOGICAL PLATE FOR THERMAL AND ACOUSTICAL INSULATION AND METHOD THEREOF

Title (de)

ÖKOLOGISCHE PLATTE FÜR THERMISCHE UND AKUSTISCHE ISOLIERUNG UND VERFAHREN DAFÜR

Title (fr)

PLAQUE ÉCOLOGIQUE POUR ISOLATION THERMIQUE ET ACOUSTIQUE ET PROCÉDÉ ASSOCIÉ

Publication

**EP 3892774 A1 20211013 (EN)**

Application

**EP 21166196 A 20210331**

Priority

PL 43341920 A 20200401

Abstract (en)

The invention relates to an ecological plate for thermal and acoustical insulation, characterized in that it is formed only from cellulose fibers, most preferably from waste paper cellulose, and expanded perlite of grain sizes in a range from 0.1 mm to 10 mm, preferably in a range from 0.5 mm to 5 mm, where the cellulose content in the plate ranges from 38% to 48%, the perlite content in the plate ranges from 52% to 62%, and the plate heat transfer coefficient is not bigger than 0.05 W/mK. Also, a method for producing such a plate is disclosed.

IPC 8 full level

**D21J 1/20** (2006.01)

CPC (source: EP)

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Citation (applicant)

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