

Title (en)

PROCESS OF CORK PRE-EXPANSION BY SUBMISSION TO MICROWAVE RADIATION

Title (de)

VERFAHREN ZUR VOREXPANSION VON KORK DURCH BESTRAHLUNG MIT MIKROWELLEN

Title (fr)

PROCESSUS DE PRE-EXPANSION DU LIEGE PAR SOUMISSION A UN RAYONNEMENT A MICRO-ONDES

Publication

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Application

**EP 08724036 A 20080320**

Priority

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- PT 10369707 A 20070321

Abstract (en)

[origin: WO2008115086A1] This invention describes a process of pre-expansion by submission to microwave radiation, capable of promoting cork expansion without using foreign substances to the cork system. The expansion achieved by this pre-expansion process shows values that can range between 40% and 85%. The expansion of cork by this pre-expansion process by submission to microwave radiation is achieved in any cork material independently of its shape, origin, quality or pre-treatments already performed, namely, falca cork, virgin or reproduction cork, cork planks, cork residues (resulting from stopper production or cork plank transformation), grinded cork, granulated cork or cork powder, any of them boiled or not boiled, resulting a new cork material with improved properties. The present invention also presents the modifications of the new cork material particularly through the volumetric increase after treatment.

IPC 8 full level

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