

Title (en)
PACKAGING CONTAINER

Title (de)
VERPACKUNGSBEHÄLTER

Title (fr)
RÉCIPIENT D'EMBALLAGE

Publication
EP 2590866 A1 20130515 (EN)

Application
EP 11803912 A 20110708

Priority
• SE 1050765 A 20100708
• SE 2011050933 W 20110708

Abstract (en)
[origin: WO2012005683A1] A packaging container (100, 200, 300) consists substantially of a cellulose fibre material made from stock and includes a tray and a lid. In a locking mechanism of the container a portion of one of said tray and lid is a male member (124, 224, 324, 424) and a portion of another one of said tray and lid is a female member (126, 226, 326, 426). The male member has a first surface (120', 121'), and the female member has a second surface (104b', 105b'), said surfaces engage one another in the closed container and have an extension along at least a section of the circumference of the container. The locking mechanism satisfies one or both of the following conditions, namely a) that the intersection between I: the lines of intersection between said first and second fibre material surfaces and a first vertical plane, which is a radial plane and II: a vertical plane which is perpendicular to said first vertical plane, form a wedge angle (β), causing the fibre material surfaces of the male and female members to engage one another in the mode of a clutch coupling when contacted, and b) that the frictional drag between the surfaces of the male and female members in their closing positions is enhanced by a spring force and a normal force developed between the male and female members during the closing operation.

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Citation (search report)
See references of WO 2012005683A1

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