

Title (en)
HIGH-STRENGTH, ENVIRONMENTALLY FRIENDLY CONTOURED ARTICLES

Title (de)
HOCHFESTE, UMWELTFREUNDLICHE KONTURIERTE GEGENSTÄNDE

Title (fr)
ARTICLES PROFILÉS, HAUTE RÉSISTANCE, SANS DANGER POUR L'ENVIRONNEMENT

Publication
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Application
EP 08879350 A 20081217

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Abstract (en)
[origin: WO2010117348A1] The present invention is a contoured press molded article comprising: a soy-based resin and a plant-based sheet, wherein the article is manufactured from the process comprising the steps of: impregnating the sheet with soy-based resin; precuring the sheet to remove water to form a premolded article wherein at least one region of a premolded article is reinforced with at least one additional layer of impregnated soy-based resin; pressing the premolded article into a contoured molded article, wherein the contoured molded article has a flexural strength that is greater than 20 MPas.

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Citation (search report)
• [X] US 2006264135 A1 20061123 - NETRAVALI ANIL N [US], et al
• [E] WO 2009079579 A1 20090625 - E2E MATERIALS INC [US], et al
• [I] RICHARD P. WOOL: "Composites from Natural Fibers and Soy Oil Resins", APPLIED COMPOSITE MATERIALS, vol. 7, 1 January 2000 (2000-01-01), pages 421 - 432, XP055044979, Retrieved from the Internet <URL:http://download.springer.com/static/pdf/284/art%3A10.1023%2FA%3A1026583404899.pdf?auth66=1353430488_d7473a05e1c6e635e4263c2e7e7b9936&ext=.pdf> [retrieved on 20121120]
• See references of WO 2010117348A1

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