

Title (en)  
HIGH-STRETCH SACKPAPER

Title (de)  
SACKPAPIER MIT HOHER DEHNBARKEIT

Title (fr)  
SAC EN PAPIER TRÈS EXTENSIBLE

Publication  
**EP 3211135 B1 20180829 (EN)**

Application  
**EP 16157913 A 20160229**

Priority  
EP 16157913 A 20160229

Abstract (en)  
[origin: EP3211135A1] There is provided a sack paper, wherein: the grammage according to ISO 536 of 50-140 g/m<sup>2</sup>, such as 70-130 g/m<sup>2</sup>; the Gurley value according to ISO 5636-5 of 15 s or lower, such as 13 s or lower; and the stretchability according to ISO 1924-3 in the machine direction is above 10 %, such as above 11 %, such as above 12 %. A method for producing the sack paper is also provided.

IPC 8 full level  
**D21H 25/00** (2006.01); **D21F 5/00** (2006.01); **D21G 9/00** (2006.01); **D21H 27/10** (2006.01)

CPC (source: EP RU)  
**D21F 5/00** (2013.01 - RU); **D21F 9/00** (2013.01 - EP); **D21H 25/005** (2013.01 - EP RU); **D21H 27/10** (2013.01 - EP RU)

Citation (opposition)  
Opponent : Stora Enso OYJ  
• WO 9902772 A1 19990121 - ASSIDOMAEN KRAFT PRODUCTS AB [SE], et al  
• US 4741376 A 19880503 - LANDQVIST NILS [SE], et al  
• STORA ENSO: "Optimal sack kraft paper", SET OF ARCHIVED WEBSITES  
• STORA ENSO: "Optima HP Evo", TECHNICAL SPECIFICATION TD-CZOO-18-03-12-P, 1 July 2012 (2012-07-01), XP055606316  
• STORA ENSO: "Optima HP Evo", TECHNICAL SPECIFICATION TD-CZOO-18-04-13-P, 1 March 2013 (2013-03-01), XP055606342  
• STORA ENSO: "Optima HP Evo", TECHNICAL SPECIFICATION TD-CZOO-18-05-15-P, 1 September 2015 (2015-09-01), XP055606348  
• STORA ENSO: "Optima HP Evo. Unbleached sack kraft paper high porosity", TECHNICAL SPECIFICATION, TYPICAL AND MINIMUM VALUES, 19 April 2018 (2018-04-19), XP055606354

Cited by  
WO2022056567A1; EP3594143A1; GB2613511A; SE545997C2; WO2020011612A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3211135 A1 20170830; EP 3211135 B1 20180829**; CA 3015024 A1 20170908; CA 3015024 C 20230822; CN 108884640 A 20181123; CN 108884640 B 20210525; EP 3423631 A1 20190109; EP 3423631 B1 20220817; ES 2932151 T3 20230113; RU 2726529 C1 20200714; WO 2017148921 A1 20170908

DOCDB simple family (application)  
**EP 16157913 A 20160229**; CA 3015024 A 20170228; CN 201780013683 A 20170228; EP 17706833 A 20170228; EP 2017054605 W 20170228; ES 17706833 T 20170228; RU 2018130364 A 20170228