

Title (en)

Paper comprising polybenzazole or precursor thereof

Title (de)

Papier mit Polybenzazol oder einem Vorläufer davon

Title (fr)

Papier comportant du polybenzazole ou leur précurseur

Publication

**EP 2037039 A1 20090318 (EN)**

Application

**EP 07017825 A 20070912**

Priority

EP 07017825 A 20070912

Abstract (en)

The invention relates to a paper comprising at least one of a fiber, pulp, fibril, floc, and fibril containing a polybenzazole structure with a repeating unit of formula (I) and/or (II), or (III): wherein Ar 1 and Ar 2 are independently an aromatic group having 4 to 12 carbon atoms, Ar1 and Ar2 have the para or meta configuration, and X and Y are the same or different and selected from O, S, and NH; n is 0 or 1. The paper can be made free of non-extractable phosphorus compound. The paper is particularly suitable for making an electrical insulation material, a honeycomb structure, or a constructive material.

IPC 8 full level

**D21H 13/20** (2006.01); **D21H 13/26** (2006.01)

CPC (source: EP US)

**D21H 13/20** (2013.01 - EP US); **D21H 13/26** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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AL BA HR MK RS

DOCDB simple family (publication)

**EP 2037039 A1 20090318**; CN 101802302 A 20100811; EP 2191067 A1 20100602; EP 2191067 B1 20120620; JP 2010539341 A 20101216; US 2011083820 A1 20110414; WO 2009033983 A1 20090319

DOCDB simple family (application)

**EP 07017825 A 20070912**; CN 200880106946 A 20080902; EP 08803525 A 20080902; EP 2008061554 W 20080902; JP 2010524454 A 20080902; US 67481908 A 20080902