

Title (en)

CHEMICALLY BONDED NONWOVEN SUBSTRATES

Title (de)

CHEMISCH GEBUNDENE VLIESTOFFSUBSTRATE

Title (fr)

SUBSTRATS NON TISSÉS LIÉS CHIMIQUEMENT

Publication

EP 4206374 A1 20230705 (EN)

Application

EP 21306964 A 20211231

Priority

EP 21306964 A 20211231

Abstract (en)

The present invention relates to chemically bonded nonwoven substrates and to polyester binders for chemically bonding nonwoven fibers of a nonwoven substrate.

IPC 8 full level

D04H 1/587 (2012.01); **D04H 1/64** (2012.01)

CPC (source: EP)

D04H 1/587 (2013.01); **D04H 1/64** (2013.01)

Citation (applicant)

- US 4455342 A 19840619 - FINK HERBERT [DE], et al
- WO 2012042153 A1 20120405 - ARKEMA FRANCE [FR], et al
- US 4744925 A 19880517 - LAMPO CIRO S [US], et al

Citation (search report)

- [X1] US 4535013 A 19850813 - KUHN BERYL M [US]
- [X1] GB 564570 A 19441004 - HERCULES POWDER CO LTD
- [X1] US 2008038977 A1 20080214 - LEBDUSKA JAN [CZ], et al
- [X1] WO 2005087837 A1 20050922 - KNAUF INSULATION GMBH [US], et al
- [X1] WO 03106561 A1 20031224 - GEORGIA PACIFIC RESINS [US]
- [AD] US 4455342 A 19840619 - FINK HERBERT [DE], et al
- [A] EP 2202251 A1 20100630 - CELANESE EMULSIONS GMBH [DE]

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4206374 A1 20230705; WO 2023126374 A1 20230706

DOCDB simple family (application)

EP 21306964 A 20211231; EP 2022087823 W 20221223