

Title (en)
PRESSURE-SENSITIVE ADHESIVE COMPOSITION

Title (de)
HAFTKLEBMASSE

Title (fr)
ADHÉSIF SENSIBLE À LA PRESSION

Publication
EP 4196509 A1 20230621 (DE)

Application
EP 21765858 A 20210816

Priority
• DE 102020210399 A 20200814
• EP 2021072746 W 20210816

Abstract (en)
[origin: WO2022034247A1] The invention relates to a pressure-sensitive adhesive composition which exhibits good adhesive forces, in particular on polar adhesive substrates, as well as good shear strength, and a significant proportion of which can be produced from bio-based raw materials. This is achieved using a pressure-sensitive adhesive composition comprising: at least one copolymer which can be reduced to a monomer composition comprising d) 45 - 75 wt.% of at least one monomer selected from the group consisting of i-amyl acrylate, n-heptyl acrylate, and 2-octyl acrylate, e) 24 - 50 wt.% of at least one alkyl (meth)acrylate, the alcohol component of which has 1 to 4 carbon atoms, and f) 0.5 to 10 wt.% of acrylic acid; and at least one adhesive force-enhancing resin. The invention also relates to: an adhesive tape comprising a carrier material and, on at least one of its two outer sides, a pressure-sensitive adhesive composition according to the invention; and the use of a pressure-sensitive adhesive composition according to the invention or of an adhesive tape according to the invention for producing adhesive bonds in electronic, optical and/or precision mechanical devices.

IPC 8 full level
C08F 220/18 (2006.01); **C09J 133/08** (2006.01)

CPC (source: EP KR US)
C08F 220/1808 (2020.02 - EP KR); **C08L 93/04** (2013.01 - KR); **C09J 4/00** (2013.01 - KR); **C09J 7/385** (2017.12 - KR US); **C09J 133/08** (2013.01 - EP KR US); **C09J 133/10** (2013.01 - US); **C09J 2301/302** (2020.08 - KR)

Citation (search report)
See references of WO 2022034247A1

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)
WO 2022034247 A1 20220217; CN 116075571 A 20230505; EP 4196509 A1 20230621; JP 2023538015 A 20230906; KR 20230048632 A 20230411; US 2023295473 A1 20230921

DOCDB simple family (application)
EP 2021072746 W 20210816; CN 202180055768 A 20210816; EP 21765858 A 20210816; JP 2023510328 A 20210816; KR 20237008324 A 20210816; US 202118021301 A 20210816