

Title (en)
Ski sole

Title (de)
Skibelag

Title (fr)
Semelle de ski

Publication
EP 2527014 A1 20121128 (DE)

Application
EP 11180996 A 20110913

Priority
• EP 11167686 A 20110526
• EP 11180996 A 20110913

Abstract (en)
The plastic ski coating comprises a filling material mixture for improving the sliding properties, where the filling mixture contains graphene, particularly graphene oxide and carbon black. The plastic is a press sintered plastic powder or plastic granulate. The proportion of graphene is between 0.1 and 10 weight percentage and with a thickness below 1 millimeter. The surface of graphene is silanized.

Abstract (de)
Die vorliegende Erfindung bezieht sich auf einen Kunststoff-Skibelag mit einer Füllstoffmischung zur Verbesserung der Gleiteigenschaften, dadurch gekennzeichnet, dass die Füllstoffmischung Graphen und/oder Graphenoxid und Ruß enthält.

IPC 8 full level
A63C 5/056 (2006.01)

CPC (source: EP)
A63C 5/056 (2013.01)

Citation (applicant)
• CH 657993 A5 19861015 - IMS KUNSTSTOFF AG
• CH 660018 A5 19870313 - IMS KUNSTSTOFF AG
• EP 0821030 A1 19980128 - CENTEIRO TRADING LDA [PT]
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Citation (search report)
• [Y] DE 4022286 A1 19910221 - FISCHER GMBH [AT]
• [Y] US 2006097485 A1 20060511 - GARCIN PIERRE [FR], et al
• [Y] JUNFEI OU ET AL: "Tribology Study of Reduced Graphene Oxide Sheets on Silicon Substrate Synthesized via Covalent Assembly", LANGMUIR, vol. 26, no. 20, 19 October 2010 (2010-10-19), pages 15830 - 15836, XP055036252, ISSN: 0743-7463, DOI: 10.1021/la102862d
• [Y] C. LEE ET AL: "Measurement of the Elastic Properties and Intrinsic Strength of Monolayer Graphene", SCIENCE, vol. 321, no. 5887, 18 July 2008 (2008-07-18), pages 385 - 388, XP055036409, ISSN: 0036-8075, DOI: 10.1126/science.1157996

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CN109702206A; CN112480684A; CN109701251A

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

DOCDB simple family (publication)
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