

Title (en)
SPIKE RESISTANT PACKAGE AND ARTICLE

Title (de)
DURCHBOHRUNGSFESTE VERPACKUNG UND ARTIKEL

Title (fr)
EMBALLAGE RÉSISTANT AUX POINTES ET ARTICLE

Publication
EP 3664651 A1 20200617 (EN)

Application
EP 18752994 A 20180726

Priority
• US 201715671902 A 20170808
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• US 2018043951 W 20180726

Abstract (en)
[origin: WO2019032308A1] A spike resistant package containing a pouch, a first grouping of spike resistant textile layers, and a slip layer. Each of the textile layers within the first grouping of textile layers contains a plurality of interwoven yarns or fibers having a tenacity of about 14 or more grams per denier. The slip layer has a thickness of less than about 0.1mm, a stiffness of less than about 0.01 N-m, and a static coefficient of friction (COF) between the slip layer and the second side of the first grouping of less than about 0.40. The pouch essentially fully encapsulates the grouping of spike resistant textile layers and the slip layer and the slip layer and the inner surface of the pouch are in direct and intimate contact. An article containing the package is also described.

IPC 8 full level
A41D 31/00 (2019.01); **B32B 5/26** (2006.01); **D03D 1/00** (2006.01); **D06N 3/00** (2006.01); **F41H 5/04** (2006.01)

CPC (source: EP IL US)
A41D 31/245 (2019.01 - IL); **B32B 3/28** (2013.01 - EP IL); **B32B 5/022** (2013.01 - EP IL); **B32B 5/024** (2013.01 - EP IL); **B32B 5/026** (2013.01 - EP IL); **B32B 5/26** (2013.01 - EP IL); **B32B 7/04** (2013.01 - EP IL); **B32B 7/08** (2013.01 - EP IL); **B32B 7/09** (2018.12 - EP IL); **B32B 7/12** (2013.01 - EP IL); **B32B 27/12** (2013.01 - EP IL); **D03D 1/0035** (2013.01 - EP IL US); **D03D 13/008** (2013.01 - EP IL); **D06N 3/0063** (2013.01 - EP IL US); **F41H 5/0428** (2013.01 - EP IL); **F41H 5/0457** (2013.01 - EP IL); **F41H 5/0471** (2013.01 - EP IL); **A41D 31/245** (2019.01 - EP); **B32B 2255/26** (2013.01 - EP IL); **B32B 2260/021** (2013.01 - EP IL); **B32B 2260/046** (2013.01 - EP IL); **B32B 2262/02** (2013.01 - EP IL); **B32B 2262/0253** (2013.01 - EP IL); **B32B 2262/0261** (2013.01 - EP IL); **B32B 2262/0269** (2013.01 - EP IL); **B32B 2262/0276** (2013.01 - EP IL); **B32B 2262/04** (2013.01 - EP IL); **B32B 2262/106** (2013.01 - EP IL); **B32B 2262/14** (2013.01 - EP IL); **B32B 2307/3065** (2013.01 - EP IL); **B32B 2307/402** (2013.01 - EP IL); **B32B 2307/50** (2013.01 - EP IL); **B32B 2307/546** (2013.01 - EP IL); **B32B 2307/718** (2013.01 - EP IL); **B32B 2307/72** (2013.01 - EP IL); **B32B 2307/7265** (2013.01 - EP IL); **B32B 2307/732** (2013.01 - EP IL); **B32B 2307/744** (2013.01 - EP IL); **B32B 2307/746** (2013.01 - EP IL); **B32B 2437/00** (2013.01 - EP IL); **B32B 2437/02** (2013.01 - EP IL); **B32B 2553/00** (2013.01 - EP IL); **B32B 2571/00** (2013.01 - EP IL)

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See references of WO 2019032308A1

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