

Title (en)
Cross laminated nonwoven fabric having intermediate layer

Title (de)
Kreuzgelegter Vliesstoff mit Zwischenschicht

Title (fr)
Etoffe non tissée à couches croisées avec couche intermédiaire

Publication
EP 1101855 A1 20010523 (EN)

Application
EP 00403166 A 20001114

Priority
JP 32684199 A 19991117

Abstract (en)
A cross laminated nonwoven fabric has an intermediate layer between a first nonwoven fabric and a second nonwoven fabric. The first nonwoven fabric is composed of filaments aligned and stretched in one direction. The second nonwoven fabric is composed of filaments aligned and stretched in a direction which is perpendicular to the aligned direction of the filaments of the first nonwoven fabric. The intermediate layer is made to have a desired property matching with the use of the cross laminated nonwoven fabric.

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D04H 13/00

IPC 8 full level
B32B 5/12 (2006.01); **B32B 5/26** (2006.01); **D04H 3/011** (2012.01); **D04H 3/04** (2012.01); **D04H 3/16** (2006.01); **D04H 13/00** (2006.01)

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Citation (search report)

- [A] EP 0379763 A1 19900801 - POLYMER PROCESSING RES INST [JP], et al
- [A] US 3616037 A 19711026 - BURGER WILLIAM H
- [A] US 5834386 A 19981110 - COHEN BERNARD [US]
- [A] US 4298649 A 19811103 - MEITNER GARY H

Cited by
US2013029090A1; CN106079735A; CN102505352A; CN106113770A; CN106113877A; CN106113847A; EP1570982A1; CN106183346A; EP1473132A3; US8652976B2; WO2007015706A1; US8246882B2; US8852713B2

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