

Title (en)

CUT RESISTANT PAPER AND PAPER ARTICLES AND METHOD FOR MAKING SAME

Title (de)

SCHNITTFESTES PAPIER, ARTIKEL AUS SCHNITTFESTEM PAPIER UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

PAPIER ET ARTICLES EN PAPIER EMPECHANT DE SE COUPER ET PROCEDE DE FABRICATION CORRESPONDANT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO02084026A1] The specification discloses a method for making a paper material having a reduced tendency to cut human skin. The Method includes providing a papermaking furnish containing cellulosic fibers and from about 0.5 to about 5.0 wt% by weight dry basis expandable microspheres, forming a paperboard web from the papermaking furnish, drying the web, and calendaring the web to a caliper of from about 18.0 mils and a density ranging from about 7.0 to about 12.0 lb/3000ft²/mil. Papers formed according to the method and articles formed therefrom are also disclosed.

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IPC 8 full level

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- [X] US 3293114 A 19661220 - KENAGA DUANE L, et al
- [PA] WO 0154988 A2 20010802 - INT PAPER CO [US]
- [A] US 4179546 A 19791218 - GARNER JOSEPH L [US], et al
- [A] US 5342649 A 19940830 - SAROKIN STEVEN D [US]
- [A] US 4324753 A 19820413 - GILL ROBERT A
- [A] US 4619734 A 19861028 - ANDERSSON INGMAR A [SE]
- [A] US 5125996 A 19920630 - CAMPBELL BRUCE C [US], et al

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