

Title (en)

Static electricity removing apparatus for footwear bottom, static electricity removing footwear bottom and electricity removing method of footwear bottom

Title (de)

Vorrichtung zur elektrostatischen Entladung für Schuhsohle, Schuhsohle mit elektrostatischer Entladung und Verfahren zur elektrostatischen Entladung für Schuhsohle

Title (fr)

Dispositif pour décharger l'électricité statique pour semelle de chaussure, semelle de chaussure déchargeant l'électricité statique et procédé pour décharger l'électricité statique pour semelle de chaussure

Publication

**EP 1419708 B1 20060802 (EN)**

Application

**EP 03257221 A 20031117**

Priority

JP 2002331544 A 20021115

Abstract (en)

[origin: EP1419708A1] A static electricity removing sheet 2 is recessed below a ground contacting face 10 by a step difference 40. A corona discharge can still occur, but the step difference 40 prevents the sheet 2 from touching the ground and being contaminated or abraded. <IMAGE>

IPC 8 full level

**A43B 7/00** (2006.01); **A43B 7/36** (2006.01); **A43B 3/16** (2006.01); **A43B 13/14** (2006.01); **A43B 13/28** (2006.01)

CPC (source: EP KR US)

**A43B 3/163** (2013.01 - EP US); **A43B 3/34** (2022.01 - EP US); **A43B 7/36** (2013.01 - EP KR US); **A43B 13/36** (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

**EP 1419708 A1 20040519**; **EP 1419708 B1 20060802**; CN 1505996 A 20040623; DE 60307201 D1 20060914; JP 2004160043 A 20040610; JP 3915095 B2 20070516; KR 20040042891 A 20040520; TW 200412869 A 20040801; US 2004128864 A1 20040708

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**EP 03257221 A 20031117**; CN 200310116115 A 20031114; DE 60307201 T 20031117; JP 2002331544 A 20021115; KR 20030080482 A 20031114; TW 92131424 A 20031110; US 70413503 A 20031110