



US009510636B2

(12) **United States Patent**
Dua et al.

(10) **Patent No.:** **US 9,510,636 B2**
(45) **Date of Patent:** **Dec. 6, 2016**

(54) **ARTICLE OF FOOTWEAR
INCORPORATING A KNITTED
COMPONENT WITH AN INTEGRAL KNIT
TONGUE**

(71) Applicant: **Nike, Inc.**, Beaverton, OR (US)

(72) Inventors: **Bhupesh Dua**, Portland, OR (US);
Bruce Huffa, Encino, CA (US); **Adrian
Meir**, Portland, OR (US); **Benjamin A.
Shaffer**, Portland, OR (US)

(73) Assignee: **NIKE, Inc.**, Beaverton, OR (US)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 703 days.

(21) Appl. No.: **13/781,525**

(22) Filed: **Feb. 28, 2013**

(65) **Prior Publication Data**

US 2013/0239438 A1 Sep. 19, 2013

Related U.S. Application Data

(63) Continuation-in-part of application No. 13/474,531,
filed on May 17, 2012, now Pat. No. 8,621,891, which
(Continued)

(51) **Int. Cl.**
D04B 1/22 (2006.01)
A43B 1/04 (2006.01)
(Continued)

(52) **U.S. Cl.**
CPC **A43B 1/04** (2013.01); **A43B 23/0205**
(2013.01); **A43B 23/0245** (2013.01);
(Continued)

(58) **Field of Classification Search**
CPC D04B 1/126; D04B 1/22; D04B 1/24;
D04B 7/24; D04B 15/56
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

601,192 A 3/1898 Woodside
1,215,198 A 2/1917 Rothstein
(Continued)

FOREIGN PATENT DOCUMENTS

CN 1317061 10/2001
CN 1782156 6/2006
(Continued)

OTHER PUBLICATIONS

Taiwanese Office Action dated Nov. 14, 2014 in Taiwanese Patent
Application No. 102105769.
International Preliminary Report on Patentability (including Written
Opinion of the ISA) mailed Sep. 4, 2014 in International Applica-
tion No. PCT/US2013/026618.
Non-Final Office Action mailed Dec. 19, 2012 in U.S. Appl. No.
13/474,531.

(Continued)

Primary Examiner — Danny Worrell

(74) *Attorney, Agent, or Firm* — Brinks Gilson & Lione

(57) **ABSTRACT**

Articles of footwear are described that incorporate a knitted
component that has an upper and an integral knit tongue. The
integral knit tongue is formed of unitary knit construction
with the upper and extends through a throat area of the
knitted component. The integral knit tongue includes raised
elements formed of unitary knit construction with the
tongue. Methods of manufacturing a knitted component for
an article of footwear may include knitting the upper and the
integral knit tongue during a knitting process on a knitting
machine.

27 Claims, 28 Drawing Sheets

