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United States Patent [19]

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[54]	PROCESS FOR PRODUCING A
	SHOE-SHAPED PART FROM A WEB OF
	MATERIAL AND RESULTING
	SHOE-SHAPED PART

[75]	Inventor:	Mamoru	Nishida,	Taichung,	Taiwan

[73] Assignee: Tretorn AB, Helsingborg, Sweden

[21] Appl. No.: 80,071

Nishida

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Related U.S. Application Data

[63] Continuation of Ser. No. 899,690, Jun. 17, 1992, abandoned.

[30] Foreign Application Priority Data

[51]	Int. Cl.5	A43D 8/00
[52]	U.S. Cl	12/146 C; 36/45

[56] References Cited

U.S. PATENT DOCUMENTS

217,467	7/1879	Lee	36/47
336,214	2/1886	Cosart	36/47 X
336,913	3/1886	Graff	36/48 X
505,298	9/1893	Scarinci	36/48
511,942	1/1894	Glanville	36/43
761,520	5/1904	Matthew	12/146 C
1,021,819	4/1912	Brihaye	36/45
1,710,043	4/1929	Campbell	12/146 C X
1,956,969	5/1934	Ayers	36/45 X
2,001,962	5/1935	Kantrow	36/45 X
2,076,285	4/1937	Wiggin	36/48 X
2,300,155	10/1942	Heintz	36/45 X
3,114,213	12/1963	Bowers	36/49 X

FOREIGN PATENT DOCUMENTS

1674135	12/1953	Fed. Rep. of Germany.	
0021947	7/1900	France 36/47	,
627878	5/1930	France.	
858875	12/1940	France.	
862088	2/1941	France.	
1024102	3/1953	France 36/48	,
1028693	5/1953	France 36/48	,
537540	12/1955	Italy 36/48	,
6400090	7/1965	Netherlands .	
8400651	2/1984	Netherlands .	
0016092	of 1894	United Kingdom 36/47	1
410311	5/1934	United Kingdom .	
1539886	2/1979	United Kingdom 36/49	,

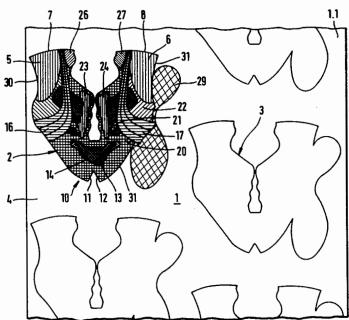
Primary Examiner—Paul T. Sewell
Assistant Examiner—Ted Kavanaugh

Attorney, Agent, or Firm—Sixbey, Friedman, Leedom & Ferguson

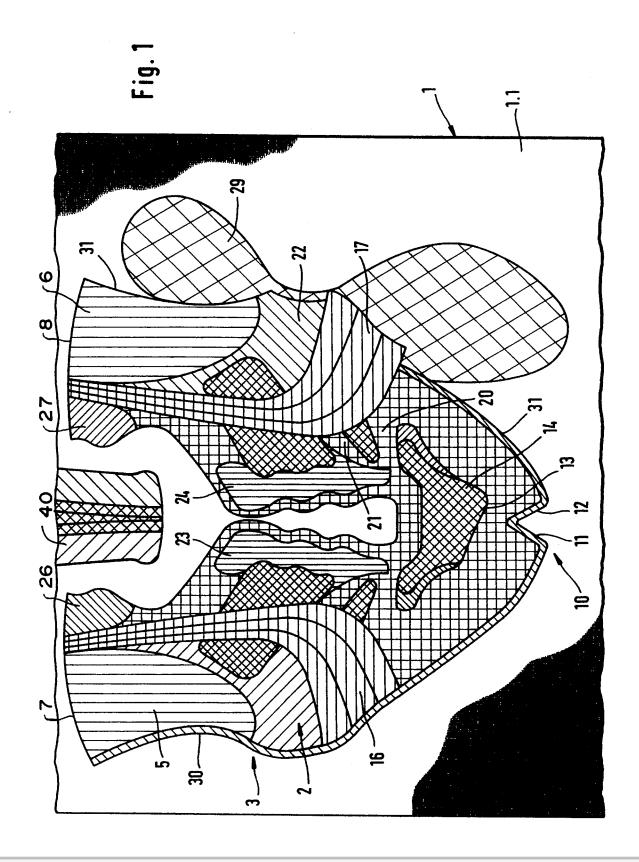
[57] ABSTRACT

For the production of a shoe upper by cutting out of the shoe upper in the form of a layout from a web of material, shaping of the shoe upper with connection of material parts of the layout with formation of seams, a process is used by which such shoe uppers can be produced in a timesaving and efficient manner despite the many individual parts present or to be made visible. For this purpose, a web of material (1) is used to produce layouts (2) by different production measures, such as different styles, yarn material, color, material thickness, single layer or multilayer type of material or the like, at the same time with the production of web of material (1), and with a sole part attached to the layout. The layout is cut from the web as a unit with the sole part and processed into a shoe part having an upper and sole part.

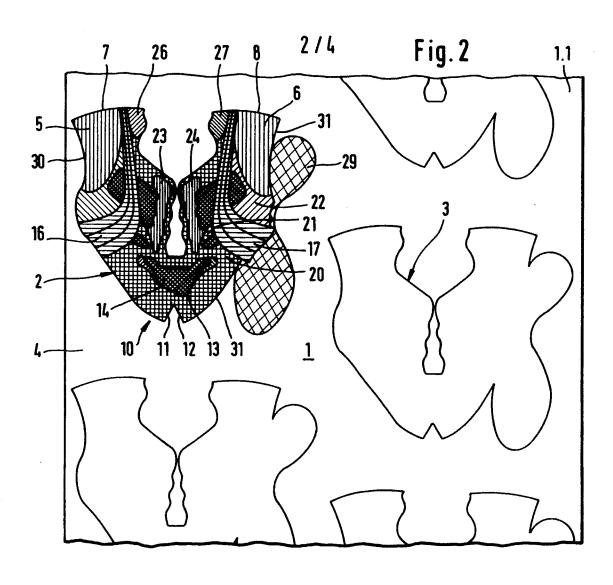
20 Claims, 4 Drawing Sheets

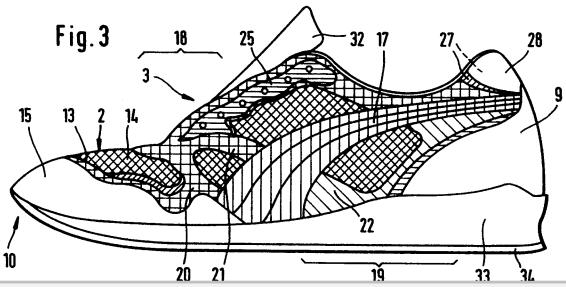














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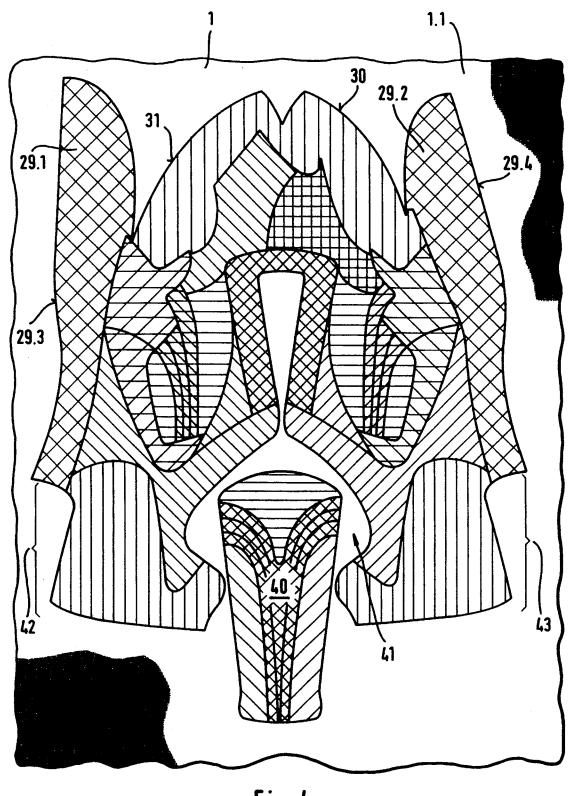


Fig. 4

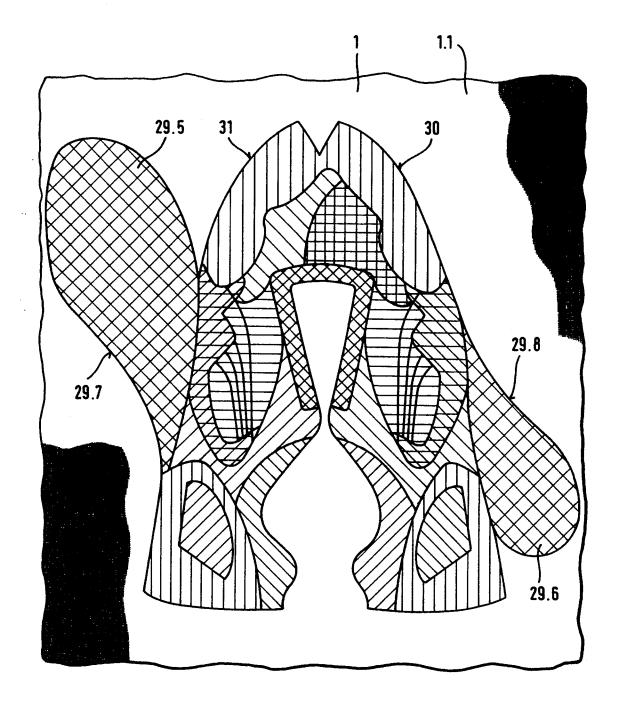


Fig. 5



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