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- **Biller, Richard E.**
Tiffin, Ohio 44883 (US)
- **Earnheart, William G.**
Findlay, Ohio 45640 (US)

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(71) Applicant: **Cooper Tire & Rubber Company**
Findlay Ohio 45840 (US)

(74) Representative: **Warren, Anthony Robert et al**
BARON & WARREN,
18 South End,
Kensington
London W8 5BU (GB)

(72) Inventors:
 • **Foster, Michael J.**
Findlay, Ohio 45840 (US)

(54) **Ultrasonic skiver for unvulcanized rubber material**

(57) A skiver device is comprised of an ultrasonically excited knife (50) and its holder, an upper floating roller assembly (30) with a material lead-in device which guides the material to the knife blade, a roller anvil assembly (20) with material lead-in and support rollers providing support of the underside of the material during cutting, an upper material separation device (60) and a lower material separation device (65), which cooperate to keep apart the edge of the material from a supply roll and the edge of the severed strip as the cut progresses. These elements are supported from a traversing carriage (12) which moves along a rail (14) supported transversely with respect to a path along which a web (W) of uncured rubber material is guided as the material is fed from the supply roll. The rail (14) extends at a predetermined angle to the web path so as to make a diagonal cut across the web material, and the knife (50) is supported to cut the web material at an acute angle to the surfaces of such material, e.g. a skive type of cut. The skiver device incorporates the roller anvil assembly (20) and a floating roller assembly (30), with freely independently rotatable arrays of rollers (22, 32) supported in close association with the skiver knife, to control closely the positioning of the uncured rubber material from which the skiver knife will sever strips of predetermined width, and to provide separation devices which keep the edges of material apart as the severing action proceeds.

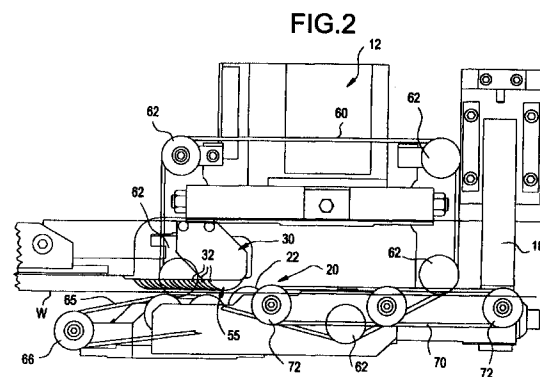
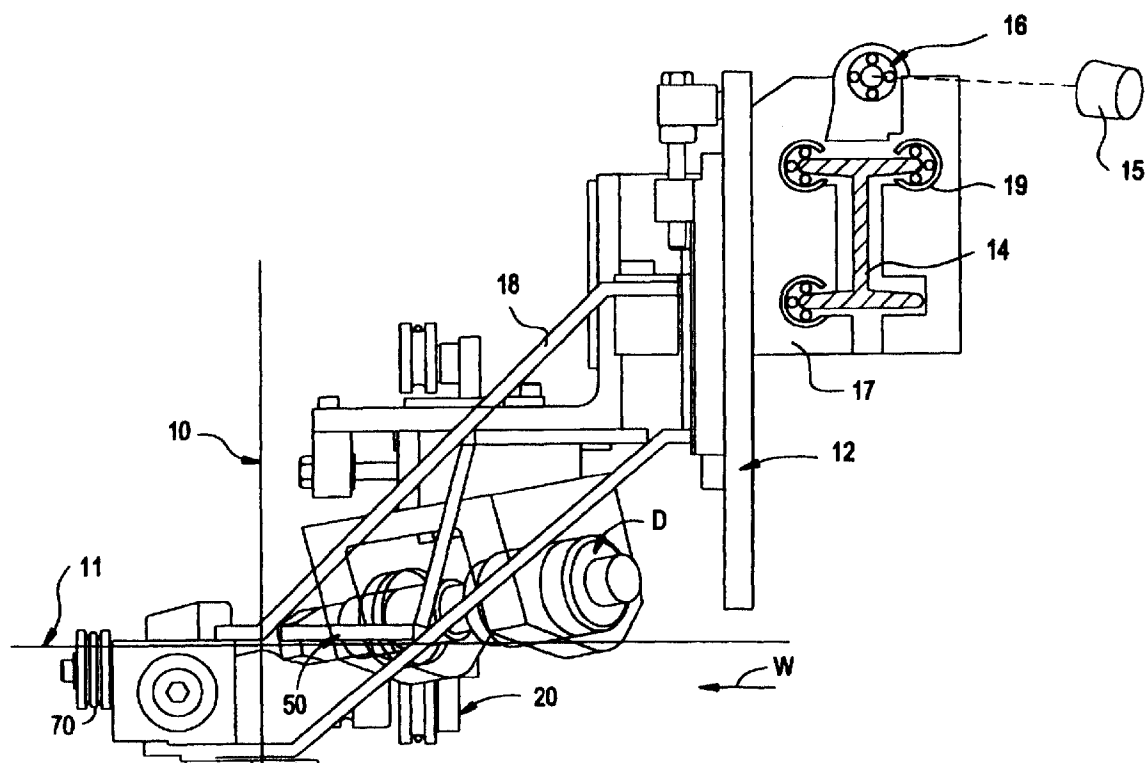


FIG.3





European Patent
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EUROPEAN SEARCH REPORT

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Place of search		Date of completion of the search	Examiner
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