

[54] **EMULSION EYE DROP FOR ALLEVIATION OF DRY EYE RELATED SYMPTOMS IN DRY EYE PATIENTS AND/OR CONTACT LENS WEARERS**

5,411,952 5/1995 Kaswan ..... 514/11  
5,474,979 12/1995 Ding et al. .... 514/11

**FOREIGN PATENT DOCUMENTS**

2228198 8/1990 United Kingdom .  
95/31211 11/1995 WIPO .

**OTHER PUBLICATIONS**

Diagnosis and Management of Tear Film Dysfunction; Stulting & Waring, pp. 445-468 (not dated).

Diagnosis and Management of Dry Eye and Ucular Surface Disorders: OPH Clinic of N.A. vol. 3, No. 4, pp. 575-594, Dec. 1990.

*Primary Examiner*—Jeffrey E. Russel  
*Attorney, Agent, or Firm*—Walter A. Hackler

[75] **Inventors:** **Shulin Ding**, Irvine; **Orest Olejnik**, Trabuco Canyon; **Brenda L. Reis**, Costa Mesa, all of Calif.

[73] **Assignee:** **Allergan**, Irvine, Calif.

[21] **Appl. No.:** **09/008,924**

[22] **Filed:** **Jan. 20, 1998**

[51] **Int. Cl.<sup>6</sup>** ..... **A61K 47/12; A61K 47/14; A61K 47/34**

[52] **U.S. Cl.** ..... **514/785; 514/786; 514/912; 514/915; 514/941; 514/943; 514/975**

[58] **Field of Search** ..... 514/9, 11, 178, 514/179, 180, 181, 420, 625, 627, 784, 785, 786, 912, 913, 914, 915, 941, 943, 975

[57] **ABSTRACT**

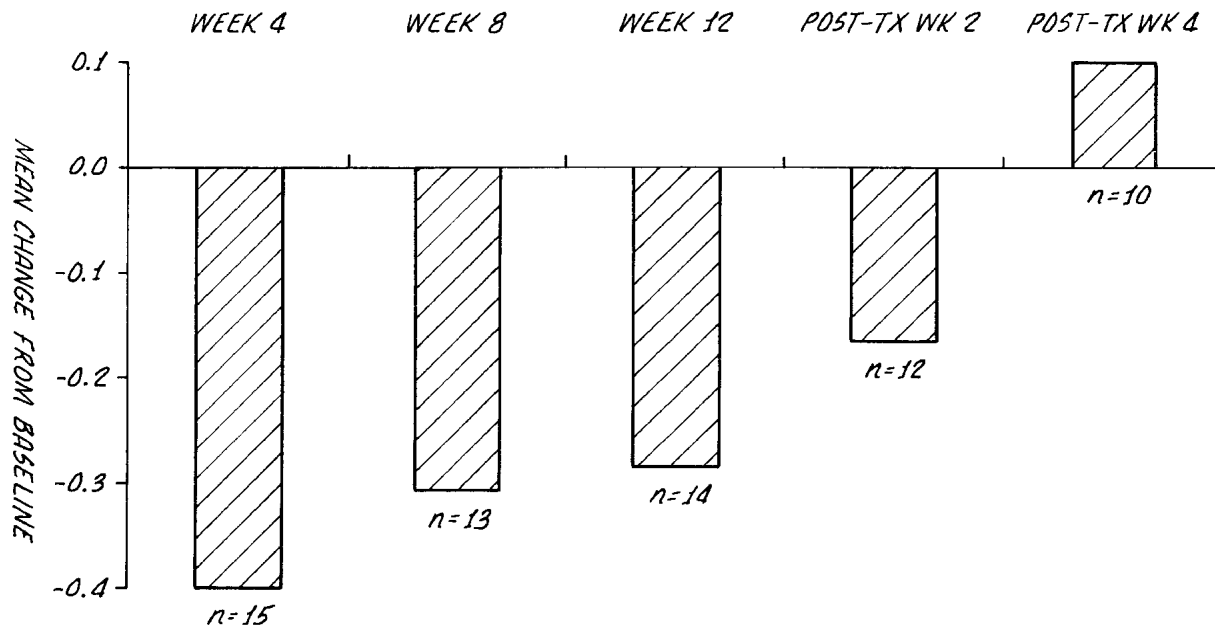
An eye drop composition for alleviation of dry eye related symptoms in dry eye patients and contact lens wearers includes an emulsion of a higher fatty acid glyceride, polysorbate 80 and an emulsion stabilizing amount of Pemulen® in water suitable for topical application to ocular tissue.

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

4,839,342 6/1989 Kaswan ..... 514/11

**4 Claims, 7 Drawing Sheets**



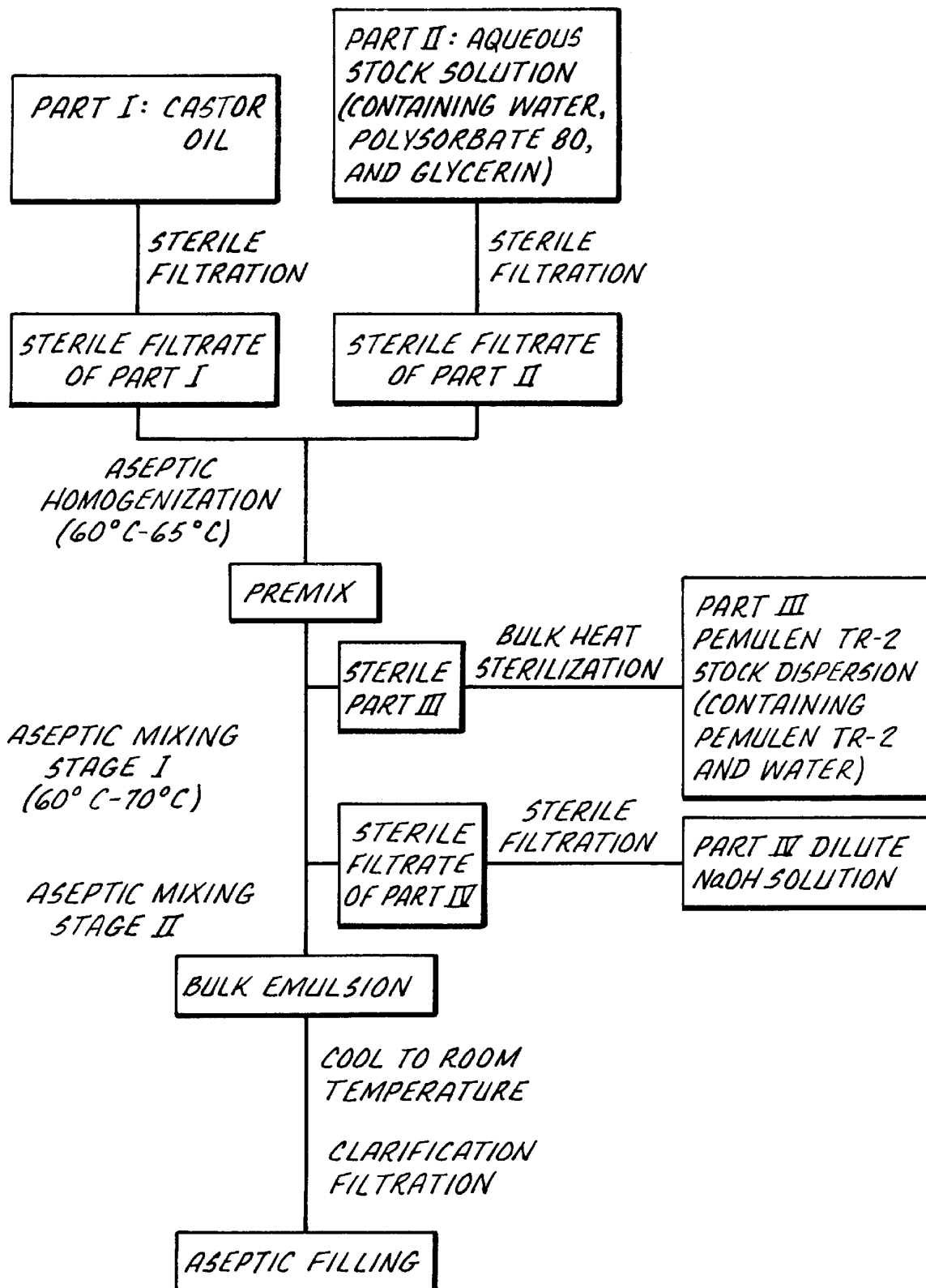


FIG. 1.

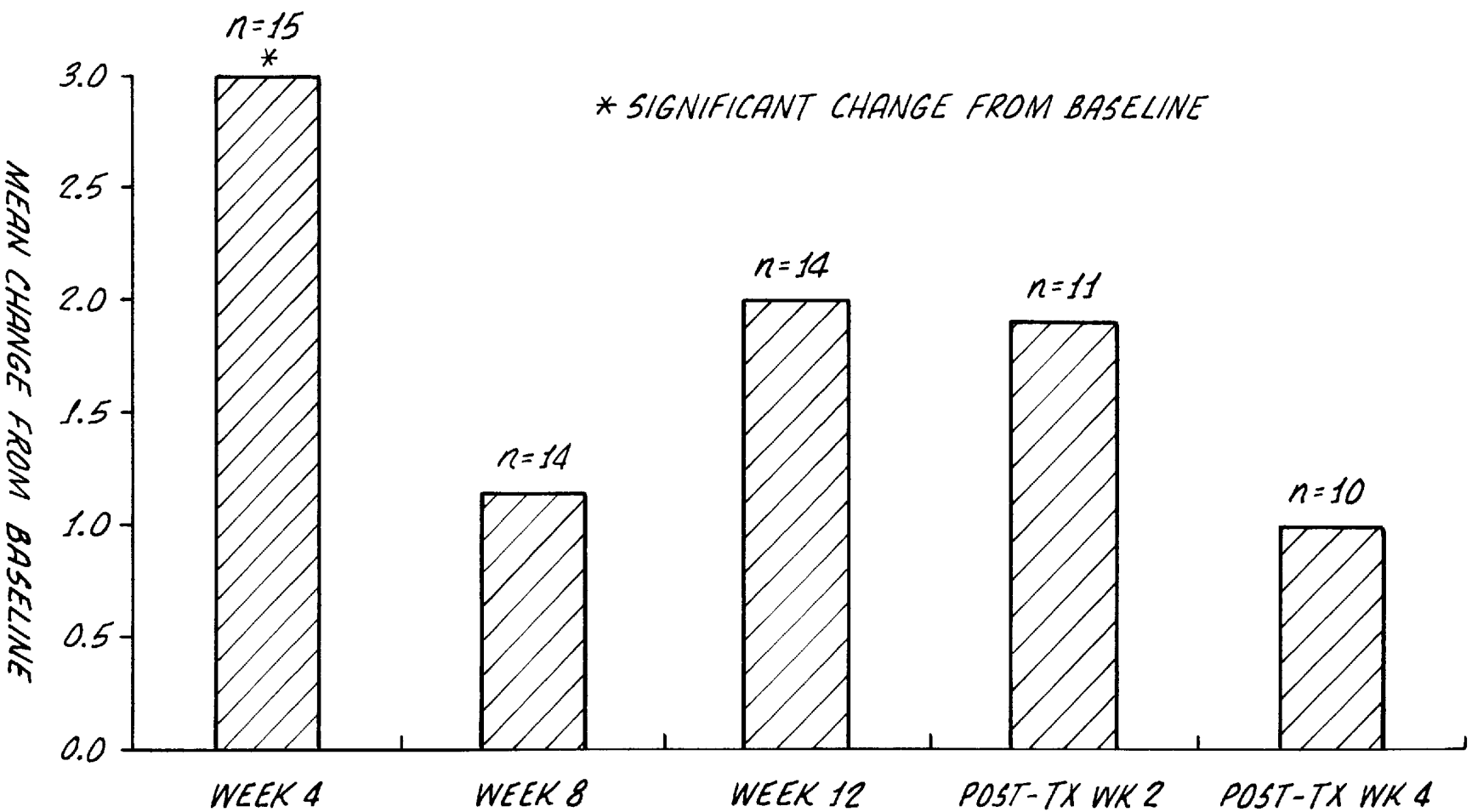


FIG. 2.

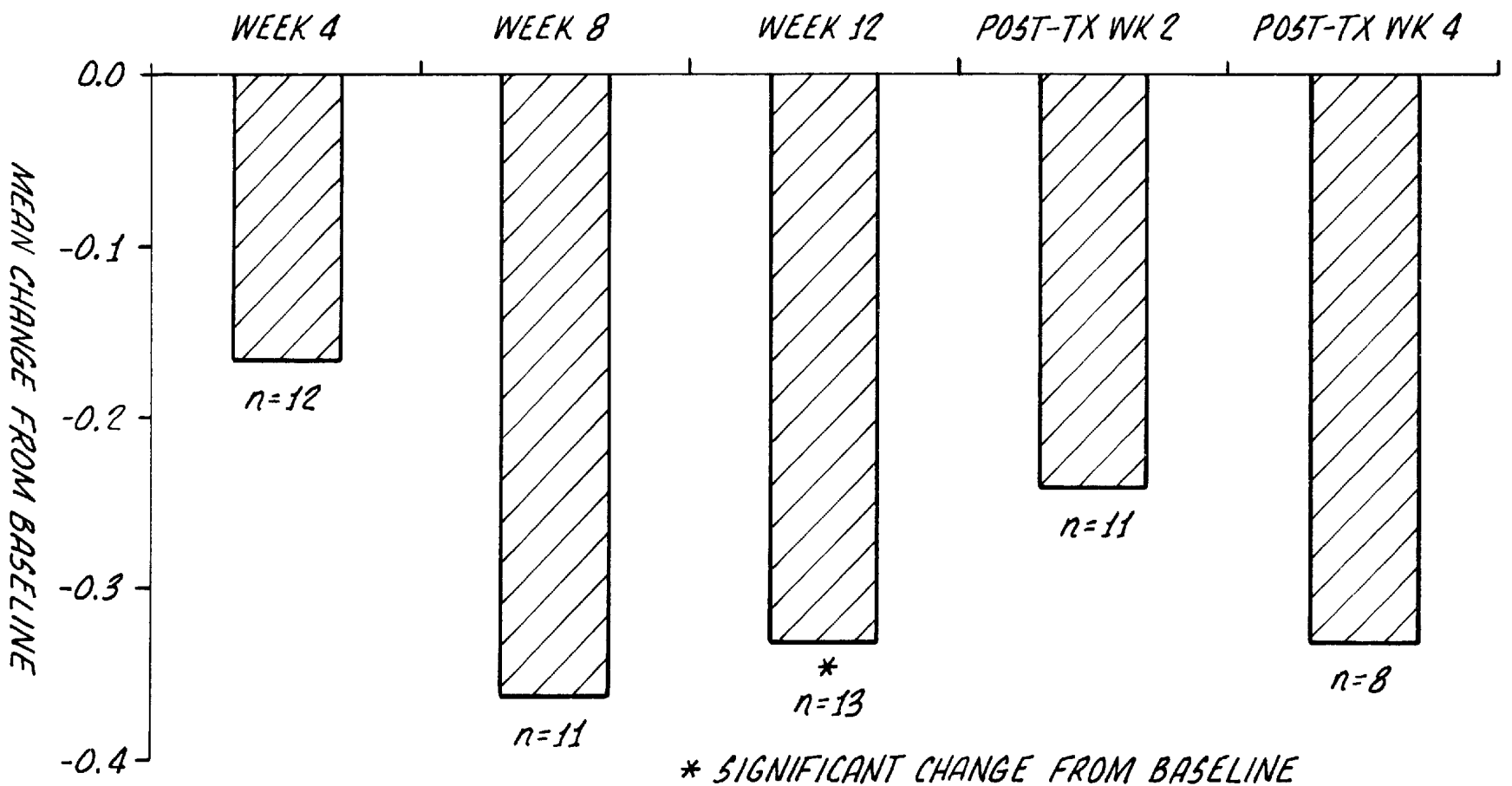


Fig. 3.

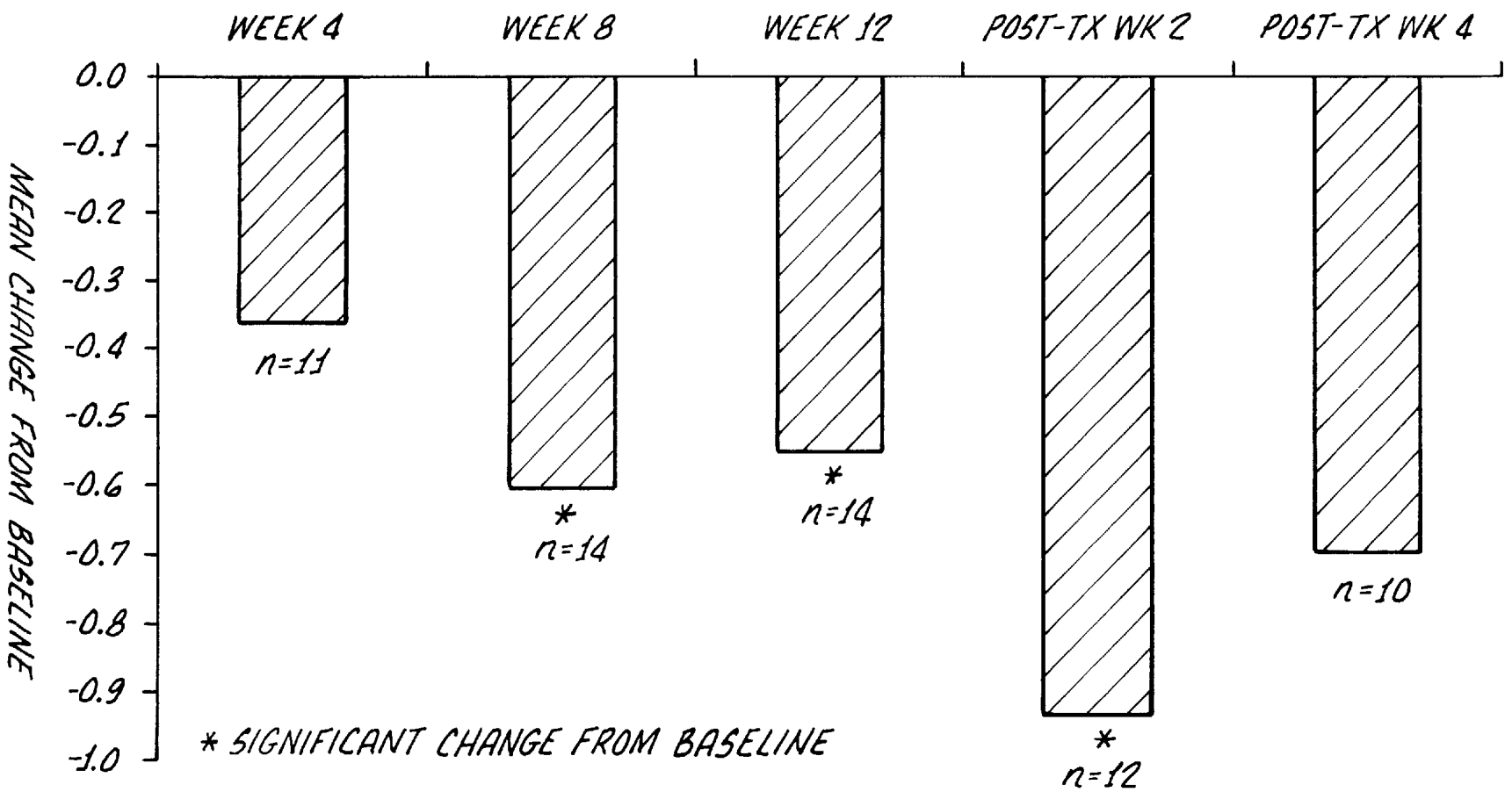


FIG. 4.

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.