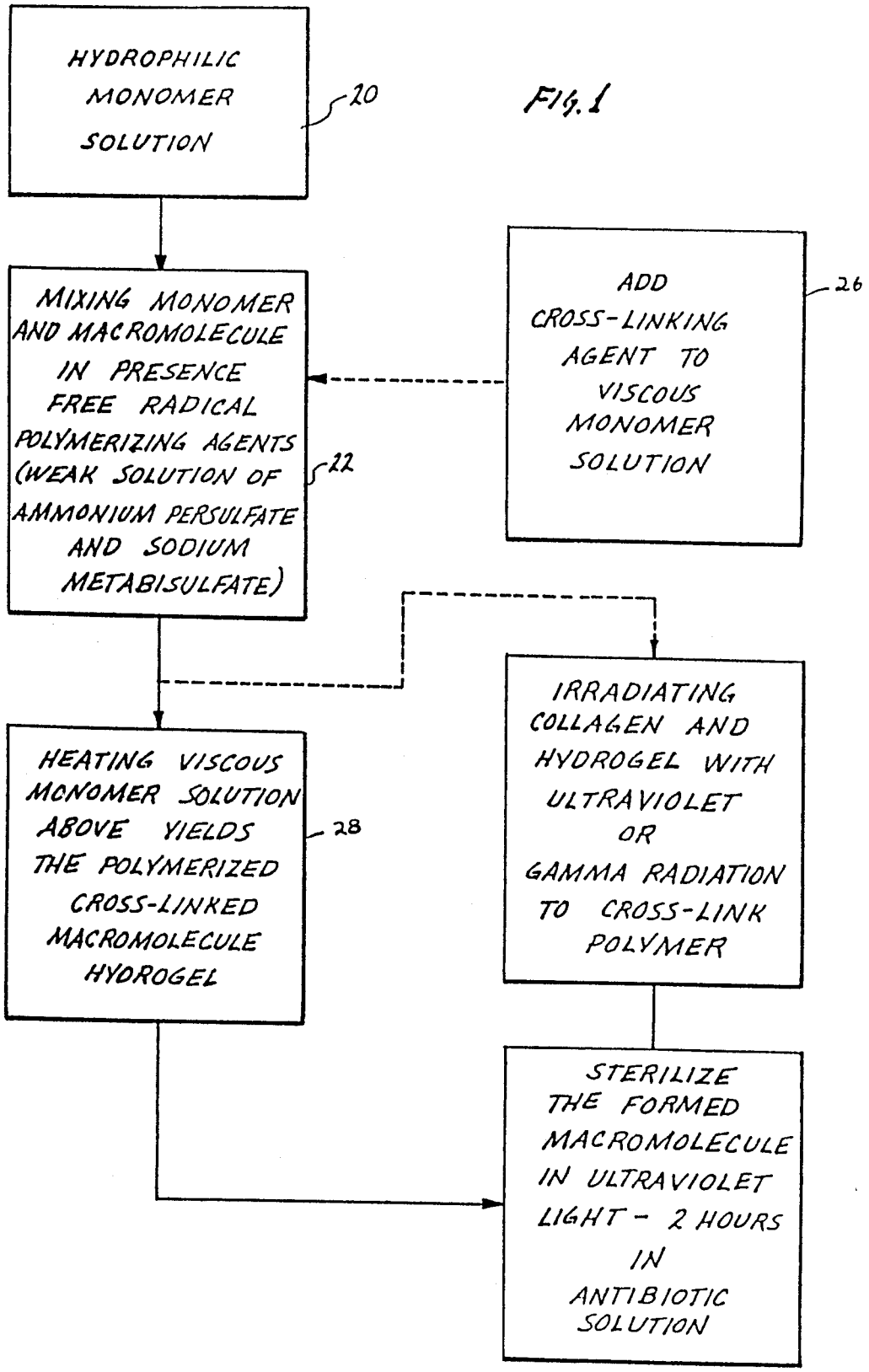
HYDROPHILIC MONOMER SOLUTION
20
FIG. 1
MIXING MONOMER AND MACROMOLECULE IN PRESENCE FREE RADICAL POLYMERIZING AGENTS (WEAK SOLUTION OF AMMONIUM PERSULFATE AND SODIUM METABISULFATE)
22
ADD CROSS-LINKING AGENT TO VISCOUS MONOMER SOLUTION
26
HEATING VISCOUS MONOMER SOLUTION ABOVE YIELDS THE POLYMERIZED CROSS-LINKED MACROMOLECULE HYDROGEL
28
IRRADIATING COLLAGEN AND HYDROGEL WITH ULTRAVIOLET OR GAMMA RADIATION TO CROSS-LINK POLYMER
STERILIZE THE FORMED MACROMOLECULE IN ULTRAVIOLET LIGHT - 2 HOURS IN ANTIBIOTIC SOLUTION