

AUGUST, 2008 Gene-Related Patent Applications Posted - Full application:
<http://appft1.uspto.gov/netathtml/PTO/srchnum.html>

CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL TESTING				
Appl Number	Title	Assignee	Date Issued	Country
20080199968	Method of Forming Signal Probe-Polymer	EISAI CO., LTD.	21-Aug-08	Japan
20080194039	METHOD OF DETECTING GENE MUTATION	NAKAMURA; Naoko	14-Aug-08	Japan

CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY				
Appl Number	Title	Assignee	Date Issued	Country
20080206769	Molecular prognostic signature for predicting breast cancer distant metastasis, and uses thereof	APPLERA CORPORATION	28-Aug-08	United States
20080206816	YEAST HOST, TRANSFORMANT AND METHOD FOR PRODUCING HETEROLOGOUS PROTEINS	ASAHI GLASS CO., LTD.	28-Aug-08	Japan
20080206812	Methods for generating high titer helper-free preparations of released recombinant AAV vectors	Atkinson; Edward M.	28-Aug-08	United States
20080187993	METHOD AND ANTISENSE COMPOSITION FOR SELECTIVE INHIBITION OF HIV INFECTION IN HEMATOPOIETIC CELLS	AVI BioPharma, Inc.	7-Aug-08	United States
20080187953	NEOMYCIN-PHOSPHOTRANSFERASE-GENES AND METHODS FOR THE SELECTION OF RECOMBINANT CELLS PRODUCING HIGH LEVELS OF A DESIRED GENE PRODUCT	BOEHRINGER INGELHEIM	7-Aug-08	Germany
20080199926	Methods and Organisms for Growth-Coupled Production of 3-Hydroxypropionic Acid	Burgard; Anthony P.	21-Aug-08	United States
20080199864	METHODS FOR CELL SCREENING OF COMPOUNDS CAPABLE OF MODULATING THE ACTIVITY OF UBIQUITIN-LIGASE SCF COMPLEXES AND THEIR USES	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	21-Aug-08	France
20080206813	Means and methods for regulating gene expression	ChromaGenics B.V.	28-Aug-08	Netherlands
20080206837	Stable adenoviral vectors and methods for propagation thereof	Crucell Holland B.V.	28-Aug-08	Netherlands
20080199917	Means and methods for producing adenovirus vectors	Crucell Holland B.V.	21-Aug-08	Netherlands
20080199876	Method of Detection of Alterations in MSH5	DANA-FARBER CANCER INSTITUTE, INC.	21-Aug-08	United States

20080187973	ETHANOL PRODUCTION USING XYLITOL SYNTHESIS MUTANT OF XYLOSE-UTILIZING ZYMOMONAS	E I DU PONT DE NEMOURS AND COMPANY	7-Aug-08	United States
20080194032	Methods and compositions for curing persistent I-complex super-family plasmids	E I DU PONT DE NEMOURS AND COMPANY	14-Aug-08	United States
20080187999	Methods and systems for high homologous recombination ("HR") targeting efficiency	Ezekiel; Uthayashanker	7-Aug-08	United States
20080206762	Method for the Diagnosis of Alzheimer's Disease	FINA BIOTECH,S.L.U.	28-Aug-08	Spain
20080199869	Novel mycobacterium tuberculosis protein composition	Fox; Brian G.	21-Aug-08	United States
20080194018	Isolated Myeloid-Like Bone Marrow Cell Populations and Methods of Treatment Therewith	Friedlander; Martin	14-Aug-08	United States
20080187922	METHOD OF SCREENING DRUG-RESISTANCE PROTEIN OF MYCOBACTERIUM TUBERCULOSIS	FuDan University	7-Aug-08	China P. Rep.
20080187941	METHOD FOR PREPARING FUSION PROTEIN BY TRANS-SPLICING METHOD	FUJIFILM Corporation	7-Aug-08	Japan
20080187906	Method And Kit For Assessing The Risk Of Cardiovascular Pathologies With Atheromatous Etiology	Gene Design & Development S.R.I.	7-Aug-08	Italy
20080187997	Novel lentiviral packaging cells	Genetix Pharmaceuticals, Inc.	7-Aug-08	United States
20080206765	MN Gene and Protein	Harris; Adrian L.;	28-Aug-08	United Kingdom
20080194029	Method for Increasing the Ratio of Homologous to Non-Homologous Recombination	Hegemann; Peter	14-Aug-08	Germany
20080206774	AUTOMATED CANCER DIAGNOSTIC METHODS USING FISH	IKONISYS, INC.	28-Aug-08	United States
20080193945	Method and Kit for the Diagnosis of Ulcerative Colitis	INDEX DIAGNOSTICS AB	14-Aug-08	Sweden
20080199960	Methods for the Delivery of Oligomeric Compounds	Juliano; Rudolph L.;	21-Aug-08	United States
20080193938	Materials And Methods Relating To Breast Cancer Classification	Kun; Yu	14-Aug-08	Singa[pr
20080206841	Nucleic acid sequences from Chlorella vulgaris and uses thereof	Lalgudi; Raghunath V.	28-Aug-08	United States
20080187940	Transformed Saccharomyces Cerevisiae and Method For Mass-Production of Lk8 Protein Using the Same	Lim; Hyung-Kwon	7-Aug-08	Korea
20080206757	METHODS AND COMPOSITIONS FOR DETECTING RARE CELLS FROM A BIOLOGICAL SAMPLE	LIN; Ping	28-Aug-08	United States

20080206834	RECOMBINANT ORGANOPHOSPHOROUS ACID ANHYDRASE AND METHODS OF USE	MCDANIEL; C. STEVEN	28-Aug-08	United States
20080193979	Method for generating diversity	Medical Research Council	14-Aug-08	United Kingdom
20080187968	Emulsion compositions	Medical Research Council	7-Aug-08	United Kingdom
20080187929	Method for determining preeclampsia risk	Meiri; Hamutal	7-Aug-08	Israel
20080193944	Novel cark protein and nucleic acid molecules and uses therefor	Millennium Pharmaceuticals, Inc.	14-Aug-08	United States
20080193933	Method of generating transgenic organisms using transposons	Minos-ErasmusMC	14-Aug-08	Greece
20080206832	Selection and Enrichment of Proteins Using in vitro Compartmentalization	NEW ENGLAND BIOLABS, INC.	28-Aug-08	United States
20080206835	Methods and Compositions Relating to Gene Silencing	New England Biolabs, Inc.	28-Aug-08	United States
20080194028	Highly Potent Hsirna Mixtures and Method for Gene Splicing	New England Biolabs, Inc.	14-Aug-08	United States
20080193977	Gene Expression Technique	Novozymes Delta Limited	14-Aug-08	United Kingdom
20080206777	Gene and protein expression profiles associated with the therapeutic efficacy of EGFR-TK inhibitors	Nuclea Biomarkers, LLC	28-Aug-08	United States
20080206748	Methods for genetic analysis of DNA to detect sequence variances	Nuvelo, Inc.	28-Aug-08	United States
20080199859	Identification Marker Responsive to Interferon Therapy for Renal Cell Cancer	OTSUKA PHARMACEUTICAL CO., LTD.	21-Aug-08	Japan
20080187927	USING HUG1 PROMOTER AND A REPORTER GENE TO DETECT GENOTOXICITY AND GENOPROTECTION	Palecek; Sean P.;	7-Aug-08	United States
20080193923	Human Obesity Susceptibility Gene Encoding a Potassium Voltage-Gated Channel and Uses Thereof	Philippi; Anne	14-Aug-08	France
20080188000	Methods and compositions for modification of the human glucocorticoid receptor locus	Reik; Andreas	7-Aug-08	United States
20080206763	METHODS FOR ISOLATING AND CHARACTERIZING ENDOGENOUS mRNA-PROTEIN (mRNP) COMPLEXES	RIBONOMICS, INC.	28-Aug-08	United States
20080199915	Methods and Kits For Mass Production Of Dsrna	RNA-Line Oy	21-Aug-08	Finland
20080199883	Schizophrenia Related Gene and Protein	Serono Genetics Institute S.A.	21-Aug-08	France

20080187930	Gene expression profiling based identification of genomic signature of high-risk multiple myeloma and uses thereof	Shaughnessy; John D.	7-Aug-08	United States
20080188001	Methods For Gene Targeting	Strathmann; Michael Paul	7-Aug-08	United States
20080206811	Process For Producing Polypeptide	Takara Bio Inc.	28-Aug-08	Japan
20080199885	Overexpression of mammaglobin B in ovarian and endometrial tumors - a new diagnostic and therapeutic marker	The Board of Trustees of the University of Arkansas	21-Aug-08	United States
20080206753	Methods for Cancer Prognosis	THE HOSPITAL FOR SICK CHILDREN	28-Aug-08	Canada
20080187928	METHODS FOR ENHANCING EXERCISE PERFORMANCE	the Salk Institute for Biological Studies	7-Aug-08	United States
20080194027	Compositions, methods and kits based on small nuclear RNAs	Trustees of the University of Pennsylvania	14-Aug-08	United States
20080193932	Methods Of Inhibiting the Activity of Hsp90 and/or Aryl Hydrocarbon Receptor	UNIVERSITY OF ROCHESTER	14-Aug-08	United States
20080187998	Sulfonamide-based oligomers and polymers for destabilization of biological membranes	UNIVERSITY OF UTAH RESEARCH FOUNDATION	7-Aug-08	United States
20080187932	Single Nucleotide Polymorphisms in Protein-Tyrosine Phosphatase Receptor-Type Delta for the Diagnosis of Susceptibility to Infection and Asthma	Vita Genomics, Inc.	7-Aug-08	Taiwan
20080206818	PROCESS FOR THE FERMENTATIVE PRODUCTION OF ANTIBODIES	Wacker Chemie AG	28-Aug-08	Germany
20080187921	Methods and Compositions for Genetically Detecting Improved Milk Production Traits in Cattle	WISCONSIN ALUMNI RESEARCH FOUNDATION	7-Aug-08	United States
20080193942	System and method for identifying erythropoietin-responsive genes	Wojchowski; Don;	14-Aug-08	United States
20080199858	Method for Detecting Estrogen-Like Chemicals by Plant	Yamazaki; Kenichi;	21-Aug-08	Japan
20080206744	Functional Genomics and Gene Trapping in Haploid or Hypodiploid Cells	Zacharias; David Alan	28-Aug-08	United States
20080199881	MN Gene and Protein	Zavada; Jan	21-Aug-08	Czech Rep.
20080193951	MN Gene and Protein	Zavada; Jan	14-Aug-08	Czech Rep.
20080206770	SCREENING METHODS USED TO IDENTIFY COMPOUNDS THAT MODULATE SKIN STROMAL CELLS (FIBROBLASTS) ABILITY TO MODIFY FUNCTION OF EXTRACELLULAR MATRIX	Zobel; Rita	28-Aug-08	Estonia

COMBINATORIAL CHEMISTRY TECHNOLOGY				
Appl Number	Title	Assignee	Date Issued	Country
20080207462	DNA fragments array from biomining microorganisms and method for detection of them	BIOSIGMA S.A.	28-Aug-08	Chile
20080194419	Genetic Association of Polymorphisms in the Atf6-Alpha Gene with Insulin Resistance Phenotypes	Universiteti Maastricht	14-Aug-08	Netherlands

DATA PROCESSING				
Appl Number	Title	Assignee	Date Issued	Country
20080195326	Method And System For Comprehensive Knowledge-Based Anonymous Testing And Reporting, And Providing Selective Access To Test Results And Report	Munzer; Martin	14-Aug-08	United States

DRUG				
Appl Number	Title	Assignee	Date Issued	Country
20080207538	Enhanced Production of Functional Proteins From Defective Genes	Lawrence; David S.	28-Aug-08	United States
20080193458	125P5C8: TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	AGENSYS	14-Aug-08	United States
20080207539	Self-Processing Rna Expression Cassette	Arbuthnot; Patrick	28-Aug-08	South Africa
20080188450	Macrolactams by engineered biosynthesis	Ashley; Gary W.	7-Aug-08	United States
20080193443	Methods and compositions for the treatment of polycystic diseases	Beskrovnaya; Oxana	14-Aug-08	United States
20080193484	Novel Methods for Producing Adenoviral Vector Preparations with Reduced Replication-Competent Adenovirus Contamination and Novel Adenoviral Vectors and Preparations	Biogen Idec MA Inc.	14-Aug-08	United States
20080200537	Antiestrogenic glyceollins suppress human breast and ovarian carcinoma proliferation and tumorigenesis	Cleveland; Thomas E	21-Aug-08	United States
20080199433	Complementing cell lines	Crucell Holland B.V.	21-Aug-08	Netherlands
20080206154	Single-Stranded Antimicrobial Oligonucleotides and Uses Thereof	CytoGenix, Inc.	28-Aug-08	United States

20080207594	Use of Gsk-3 Inhibitors for Preventing and Treating Pancreatic Autoimmune Disorders	Davelogen Aktiengesellschaft	28-Aug-08	Germany
20080206263	Methods and Compositions for Prognosing, Detecting, and Treating Age-Related Macular Degeneration	DeAngelis; Margaret M	28-Aug-08	United States
20080188405	Cancer Markers	Di Fiore; Pier Paolo	7-Aug-08	Italy
20080188435	Methods of diagnosing or treating depression on basis of increased cerebrospinal fluid levels of neurotrophin 3	Evotec Biosystems AG.	7-Aug-08	Switzerland
20080206220	2031 Oxidoreductase	F2G LTD	28-Aug-08	United Kingdom
20080200412	Astrocyte Elevated Gene-1 And Its Promoter In Treatments For Neurotoxicity And Malignancy	Fisher; Paul B.	21-Aug-08	United States
20080199529	NANOPARTICLE DELIVERY VEHICLE	Franzen; Stefan	21-Aug-08	United States
20080207540	Method For the Identification of Compounds Modulating Reverse Transport of Cholesterol	Genfit	28-Aug-08	France
20080199442	Methods for delivering DNA to muscle cells using recombinant adeno-associated virus vectors	Genzyme Corporation	21-Aug-08	United States
20080188432	Oligomeric compounds for the modulation ras expression	Hansen; Bo	7-Aug-08	Denmark
20080207545	Methods and Compositions for Treating 5Alpha-Reductase Type 1 and Type 2 Dependent Conditions	Hoke; Glenn D.;	28-Aug-08	United States
20080194521	DIACYLHYDRAZINE LIGANDS FOR MODULATING THE EXPRESSION OF EXOGENOUS GENES IN MAMMALIAN SYSTEMS VIA AN ECDYSONE RECEPTOR COMPLEX	Hormann; Robert Eugene	14-Aug-08	United States
20080199496	Genes Associated with Leishmania Parasite Virulence	Institut Pasteur de Tunis	21-Aug-08	France
20080199531	Methods And Products For Delivering Biological Molecules To Cells Using Multicomponent Nanostructures	JOHNS HOPKINS UNIVERSITY	21-Aug-08	United States
20080207532	Use of Nordihydroguaiaretic Acid Derivatives in the Treatment of Drug Resistant Cancer, Viral and Microbial Infection	Johns Hopkins University	28-Aug-08	United States
20080193507	Wound Healing Profile	Kemp; Paul	14-Aug-08	United Kingdom
20080194489	Treatment of iatrogenic disease	Khan; Nisar A.;	14-Aug-08	Netherlands
20080193486	Live, Oral Vaccine for Protection Against Shigella Dysenteriae Serotype 1	Kopecko; Dennis J.;	14-Aug-08	United States
20080199546	Anti-resorptive and bone building dietary supplements and methods of use	Krempin; David W	21-Aug-08	United States

20080199545	Anti-resorptive and bone building dietary supplements and methods of use	Krempin; David W.	21-Aug-08	United States
20080200416	Modulation of T cell signaling threshold and T cell sensitivity to antigens	Li; Qi-Jing	21-Aug-08	United States
20080187492	Drosophila Models For Diseases Affecting Learning and Memory	McBride; Sean M.J	7-Aug-08	United States
20080194503	Antisense Modulation of P38 Mitogen Activated Protein Kinase Expression	Monia; Brett P.	14-Aug-08	United States
20080207549	GENES AND POLYPEPTIDES RELATING TO HEPATOCELLULAR OR COLORECTAL CARCINOMA	Oncotherapy Science, Inc.	28-Aug-08	Japan
20080207579	Uses of tetrahydrobiopterin and derivatives thereof	Pasricha; Pankaj J.;	28-Aug-08	United States
20080193464	Human Autism Susceptibility Gene Encoding Prkcb1 and Uses Thereof	Philippi; Anne	14-Aug-08	France
20080188434	Role of FGF-20 in cancer diagnosis and treatment	Powers; Scott	7-Aug-08	United States
20080206202	METHODS FOR APPLICATION OF ENDOGENOUS OR EXOGENOUS STEM/PROGENITOR OR THEIR PROGENY FOR TREATMENT OF DISEASE	Reid; Christopher	28-Aug-08	United States
20080200382	Novel use of AIM3 acting as a tumor suppressor	SEOUL NATIONAL UNIVERSITY INDUSTRY FOUNDATION	21-Aug-08	Korea
20080207542	RNA inteference mediated inhibition of hepatitis C virus (HVC) gene expression using short interfering nucleic acid (siNA)	Sirna Therapeutics, Inc.	28-Aug-08	United States
20080188430	RNA interference mediated inhibition of hypoxia inducible factor 1 (HIF1) gene expression using short interfering nucleic acid (siNA)	Sirna Therapeutics, Inc.	7-Aug-08	United States
20080206195	Compositions and Methods for Treating Disorders Associated with Abnormal Phosphate Metabolism	Sprecher; Eli	28-Aug-08	Israel
20080187527	Novel endometriosis-associated gene	Starzinski-Powitz; Anna	7-Aug-08	United States
20080206248	Mutations in ErbB2 associated with cancerous phenotypes	Stratton; Michael	28-Aug-08	United Kingdom
20080206210	Drugs for the Prevention or Treatment of Immunodeficiencies, Autoimmune Diseases or for the Induction of Immune Tolerance	Taylor; Naomi	28-Aug-08	France

20080199514	Functional Variant of Lymphoid Tyrosine Phosphatase is Associated with Autoimmune Disorders	THE BURNHAM INSTITUTE	21-Aug-08	United States
20080207615	Method to determine responsiveness of cancer to epidermal growth factor receptor targeting treatments	The General Hospital Corporation	28-Aug-08	United States
20080188438	FRA-1 EXPRESSION IN BRAIN CANCER	The Penn State Research Foundation	7-Aug-08	United States
20080188437	Compositions and Methods for siRNA Inhibition of Angiogenesis	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA	7-Aug-08	United States
20080206199	Chimeric Herpes Viruses and Uses Thereof	THE UAB RESEARCH FOUNDATION	28-Aug-08	United States
20080193454	Identification of Surface-Associated Antigens for Tumor Diagnosis and Therapy	Tureci; Ozlem	14-Aug-08	Germany
20080187576	METHODS FOR TREATING ARTICULAR DISEASE OR DYSFUNCTION USING SELF-COMPLIMENTARY ADENO-ASSOCIATED VIRAL VECTORS	UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC.	7-Aug-08	United States
20080206279	VACCINES AGAINST WEST NILE VIRUS	UytdeHaag; Alphonsus G.C.M.	28-Aug-08	Netherlands
20080194511	CODON OPTIMIZED SYNTHETIC PLASMIDS	VGX PHARMACEUTICALS, INC.	14-Aug-08	United States
20080206144	MDR1 VARIANTS AND METHODS FOR THEIR USE	Washington State University Research Foundation	28-Aug-08	United States
20080200409	Antisense Oligonucleotides For Inducing Exon Skipping and Methods of Use Thereof	Wilson; Stephen Donald	21-Aug-08	Australia
20080188449	Treatment of Conditions Caused By Calcium Abnormalities	Yale University	7-Aug-08	United States
20080194711	Cx3Cr1 As A Marker Which Correlates With Both Disease And Disease Activity In Multiple Sclerosis Patients	Zipp-Nitsch; Frauke	14-Aug-08	Germany

FOOD OR EDIBLE MATERIAL				
Appl Number	Title	Assignee	Date Issued	Country
20080193593	Barley Lipxygenase 1 Gene, Method of Selecting Barley Variety, Material of Malt Alcoholic Drinks and Process For Producing Malt Alcoholic Drink	Hirota; Naohiko	14-Aug-08	Japan
20080187646	Increase in Yield by Reducing Gene Expression	Metanomics GmbH	7-Aug-08	Germany

MULTICELLULAR LIVING ORGANISMS				
Appl Number	Title	Assignee	Date Issued	Country
20080201801	Invertebrate MicroRNAs	Allen; Edwards	21-Aug-08	United States
20080189803	UNIVERSAL CHLOROPLAST INTEGRATION AND EXPRESSION VECTORS, TRANSFORMED PLANTS AND PRODUCTS THEREOF	Daniell; Henry	7-Aug-08	United States
20080209596	PLANT SUGAR TRANSPORT PROTEINS	E I DU PONT DE NEMOURS AND COMPANY	28-Aug-08	United States
20080201802	Altered linolenic and linoleic acid content in plants	Kishore; Ganesh Murthy	21-Aug-08	United States
20080196123	Modulation of Alkaloid Siosynthesis in Plants and Plants Having Altered Alkaloid Biosynthesis	Kutchan; Toni M	14-Aug-08	United States
20080189809	Methods for modification of plant inflorescence architecture	NATIONAL RESEARCH COUNCIL OF CANADA	7-Aug-08	Canada
20080196126	Transgenic Plants Containing a Dehydrin Gene	Nevo; Eviatar	14-Aug-08	Israel
20080201807	Gelatinization Temperature Manipulation	SOUTHERN CROSS UNIVERSITY	21-Aug-08	Australia
20080201796	Transformed plants accumulating mono-and/or sesquiterpenes	University of Kentucky Research Foundation	21-Aug-08	United States
20080196110	Immune-Compromised Transgenic Mice Expressing Human Hepatocyte Growth Factor (Hhgf)	VAN ANDEL RESEARCH INSTITUTE	14-Aug-08	United States
20080201786	Transgenic Zebrafish Models of Alzheimer's Disease	ZYGOGEN, LLP	21-Aug-08	United States

NATURAL RESINS OR DERIVATIVES				
Appl Number	Title	Assignee	Date Issued	Country
20080188640	Immunodeficiency recombinant poxvirus	Sanofi Pasteur Inc.	7-Aug-08	United States

ORGANIC COMPOUNDS				
Appl Number	Title	Assignee	Date Issued	Country
20080200663	NOVEL LENTIVIRAL VECTORS FOR SITE-SPECIFIC GENE INSERTION	CITY OF HOPE	21-Aug-08	United States
20080207884	siRNA targeting 5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase (ATIC)	DHARMACON, INC.	28-Aug-08	United States
20080188647	siRNA targeting DNA-damage-inducible transcript 4 (DDIT4)	DHARMACON, INC.	7-Aug-08	United States
20080188648	siRNA targeting human hairless protein (HR)	DHARMACON, INC.	7-Aug-08	United States
20080200662	9-Fatty Acid Hydroperoxide Lyase Genes	SAPPORO BREWERIES LIMITED	21-Aug-08	Japan

20080188675	LIPID NANOPARTICLE BASED COMPOSITIONS AND METHODS FOR THE DELIVERY OF BIOLOGICALLY ACTIVE MOLECULES	SIRNA THERAPEUTICS INC.	7-Aug-08	United States
20080200659	Combinatorial polyketide libraries produced using a modular PKS gene cluster as scaffold	The Board of Trustees of the Leland Stanford Junior University	21-Aug-08	United States
20080200664	CELL REGULATORY GENES, ENCODED PRODUCTS, AND USES RELATED THERETO	Yang; Annie	21-Aug-08	United States

PLANT PROTECTING AND REGULATING COMPOSITIONS				
Appl Number	Title	Assignee	Date Issued	Country
20080207449	Nucleic Acid Molecules Encoding Plant Cell Cycle Proteins and Uses Therefor	CROPDESIGN N.V.	28-Aug-08	Belgium

SURGERY				
Appl Number	Title	Assignee	Date Issued	Country
20080200858	BLOOD DIAGNOSIS METHOD FOR DIALYSIS PATIENT AND DIALYSIS MACHINE	YOKOGAWA ELECTRIC CORPORATION	21-Aug-08	Japan