

발명의 명칭	IPC	출원번호	출원일	공고일	출원인	우선권출원번호	우선권출원일	발명인
MULTICOLOR LED DISPLAY UNIT	G09G3/32 G09G3/20 H01L33/00	06128148	19940517	19951128	NICHIACHEMINDLTD			NAGAIYOSHIFUMI
DUE BONDING METHOD OF LED CHIP TO LEAD FRAME	H01L21/52 H01L33/00	06022672	19940221	19950905	NICHIACHEMINDLTD			YAMADAMOTOKAZU NAKAMURASHUJI
LED DISPLAY	H01L33/00 G02F1/015 G09F9/33	06069836	19940408	19951027	NICHIACHEMINDLTD			NAGAIYOSHIFUMI
MULTICOLOR LED DISPLAY UNIT	G09G3/32 G09G3/20 H01L33/00	06121855	19940510	19951121	NICHIACHEMINDLTD			NAGAIYOSHIFUMI
LED DISPLAY	H01L33/00	06078293	19940418	19951031	NICHIACHEMINDLTD			NAGAIYOSHIFUMI YAMADAMOTOKAZU
LED ELEMENT AND MANUFACTURE OF IT	H01L33/00	06079909	19940324	19951013	NICHIACHEMINDLTD			SHIMIZUYOSHINORI
BLUE COLOR LED DEVICE	H01L33/00	04351948	19921208	19940624	NICHIACHEMINDLTD			YAMADAMOTOKAZU NAKAMURASHUJI
LED LAMP	H01L33/00	07070988	19950329	19961018	NICHIACHEMINDLTD			NAGAIYOSHIFUMI
MULTICOLOR LED DISPLAY UNIT	G09G3/32 G09G3/20 H01L33/00	06131110	19940520	19951208	NICHIACHEMINDLTD			NAGAIYOSHIFUMI
LED ILLUMINATOR	H01L33/00 F21V19/00 H01L23/02	06266467	19941031	19960521	NICHIACHEMINDLTD			NAKANISHIEJI SHIMIZUYOSHINORI
METHOD OF FIXING LED LAMP FOR IRRADIATING LIGHT GUIDE PLATE	H01L33/00 G09F9/00	07059971	19950222	19960913	NICHIACHEMINDLTD			NAKANISHIEJI
NITRIDE SEMICONDUCTOR LED	H01L33/00 G02B5/20 G02B5/22 G02B5/28 G09F9/33	07052162	19950313	19960927	NICHIACHEMINDLTD			NAGAIYOSHIFUMI
LED SIGNAL LIGHT	G09F9/33 H01L33/00	07048040	19950308	19960927	NICHIACHEMINDLTD			SHIMIZUYOSHINORI
COLOR LED DISPLAY MODULE	G09G3/32 G09G3/20 H01L33/00 H04N5/66 H04N9/12	06340353	19941228	19960716	NICHIACHEMINDLTD			NAGAIYOSHIFUMI
FULL-COLOR LED DISPLAY	H01L33/00 G09F9/33	06131531	19940614	19951222	NICHIACHEMINDLTD			NAGAIYOSHIFUMI
LED DISPLAY DEVICE	G09F9/33 H01L33/00	08198101	19960726	19980213	NICHIACHEMINDLTD			YOSHIDAHIROKAZU
LED INDICATOR	H01L33/00 G09F9/33	08090855	19960412	19971031	NICHIACHEMINDLTD			MATSUMOTOHIROFUMI
LED PACKAGE	H01L33/00	08107293	19960426	19971111	NICHIACHEMINDLTD			IZUNOKUNIHIRO TAKEUCHIISATO KANBARAYASUO
CHIP LED AND MANUFACTURE THEREOF	H01L33/00	08086873	19960409	19971031	NICHIACHEMINDLTD			IZUNOKUNIHIRO FUJIESEJI KANBARAYASUO TSUCHIUCHIAKIRA TAMEMOTOHIROAKI
LED DISPLAY UNT AND DISPLAY USING THE SAME	H01L33/00 G09F9/33	07342145	19951228	19970715	NICHIACHEMINDLTD			YONEDAHIDEAKI
LED DISPLAY	H01L33/00	08257206	19960930	19980424	NICHIACHEMINDLTD			NAGAMINEKUNIHIRO IZUNOKUNIHIRO
LUMINOUS DIODE AND LED DISPLAY USING IT	H01L33/00	08343644	19961224	19980721	NICHIACHEMINDLTD			YOSHIDAHIROKAZU
LIGHT EMITTING DEVICE AND LED DISPLAY USING THE SAME	H01L33/00	08350253	19961227	19980721	NICHIACHEMINDLTD			NAGAMINEKUNIHIRO IZUNOKUNIHIRO FUJIWARAYUICHI TAKEUCHIISATO
SUBSTRATE FOR FLOW SOLDER AND LED DISPLAY	H05K3/34	08257204	19960930	19980424	NICHIACHEMINDLTD			YONEDAHIDEAKI
LIGHT EMITTING DIODE AND LED DISPLAY USING THE SAME	H01L33/00	08350254	19961227	19980721	NICHIACHEMINDLTD			SHIMIZUYOSHINORI YAMADAMOTOKAZU SAKANOAKIMASA
DIE BONDING METHOD FOR LED CHIP	H01L33/00 H01L21/52	07268916	19951018	19970502	NICHIACHEMINDLTD			TAMEMOTOHIROAKI
DISPLAY METHOD FOR LED DISPLAY	G09G3/32 G09G3/20	07274873	19950927	19970404	NICHIACHEMINDLTD			ROKUSHASHUJI NAGAIYOSHIFUMI
LED LIGHT SOURCE	H01L33/00 G09F9/00	07228830	19950906	19970318	NICHIACHEMINDLTD			NAKANISHIEJI

LED SURFACE LIGHT SOURCE	G09F9/00 G02F1/1335 H01L33/00	07179739	19950717	19970207	NICHIACHEMINDLTD			MITANIKATSUNORI MORIGUCHITOSHIO
LED SIGNAL LAMP	F21Q1/00 H01L33/00	07155794	19950622	19970110	NICHIACHEMINDLTD			YAMADATAKAO
CERAMIC LED PACKAGE AND MANUFACTURE THEREOF	H01L33/00 G09F9/33	07190533	19950726	19970214	NICHIACHEMINDLTD			IZUNOKUNIHIRO FUJIESEJI TAKEUCHIISATO KANBARAYASUO NAGAIYOSHIFUMI
DISPLAY METHOD FOR LED DISPLAY	G09G3/32 H01L33/00 H04N5/66	07274872	19950927	19970404	NICHIACHEMINDLTD			NAGAIYOSHIFUMI ROKUSHASHUJI
LED SURFACE LIGHT SOURCE	H01L33/00	07246525	19950926	19970404	NICHIACHEMINDLTD			NAKANISHIEJI
LED DISPLAY UNIT AND LED SIGNAL LAMP	G08G1/095 G09F13/20 H01L33/00	11005876	19990112	19990928	NICHIACHEMINDLTD	104234	19980112	YOSHIDAHIROKAZU
LED DISPLAY DEVICE	H01L33/00 G09F9/30	10352136	19981125	19990907	NICHIACHEMINDLTD			SHIMIZUYOSHINORI SAKANOAKIMASA
LED DISPLAY DEVICE	G09F9/33 H01L33/00	09301348	19971104	19990521	NICHIACHEMINDLTD			TAKAHASHITSUZUKU
CHIP TYPE LED	H01L33/00	09344577	19971215	19990702	NICHIACHEMINDLTD			NAGAMINEKUNIHIRO IZUNOKUNIHIRO FUJIWARAYUICHI
LED DISPLAY DEVICE AND ITS DRIVING METHOD	G09G3/32 G09G3/20 H01L33/00	09288872	19971021	19990511	NICHIACHEMINDLTD			TSUJIRYUHEI
LED DISPLAY DEVICE AND SEMICONDUCTOR DEVICE	H01L33/00 G09G3/20 G09G3/32	10193976	19980709	19990330	NICHIACHEMINDLTD	09183292	19970709	NAGAIYOSHIFUMI
LED DISPLAY UNIT	G09F9/00 H01L33/00	10067150	19980317	19990928	NICHIACHEMINDLTD			MITSUMURATATSUHISA
LIGHT EMITTING DIODE (LED) AND LED DISPLAY DEVICE USING THE DIODE	G09F9/33 H01L33/00	09343481	19971212	19980825	NICHIACHEMINDLTD	08332553	19961212	SAKANOAKIMASA
LED DISPLAY DEVICE AND LED DISPLAY SYSTEM	G09F9/33 G09F9/00 H01L33/00	09301188	19971031	19990521	NICHIACHEMINDLTD			TAKAHASHITSUZUKU
LED DISPLAY AND DISPLAY DEVICE USING LED DISPLAY	H01L33/00 G09F9/33 G09F13/20	08092293	19960415	19971031	NICHIACHEMINDLTD			YONEDAHIDEAKI
LED DISPLAY	H01L33/00	08351175	19961227	19980721	NICHIACHEMINDLTD			NAGAIYOSHIFUMI
LIGHT-EMITTING DIODE AND METHOD FOR FORMING LED INDICATOR	H01L33/00 G09F9/33	09201311	19970728	19990216	NICHIACHEMINDLTD			YOSHIDAHIROKAZU
LED DISPLAY UNIT, DISPLAY DEVICE USING THE SAME AND LIGHTING METHOD	G09G3/32 G09G3/20	09104413	19970422	19981104	NICHIACHEMINDLTD			OGUROHIROKI
LED DISPLAY UNIT AND SIGNAL LAMP USING THE SAME	G09F13/20 G08B5/36 H01L33/00	09072200	19970325	19981009	NICHIACHEMINDLTD			YOSHIDAHIROKAZU
LED LAMP	H01L33/00 C09K11/80	09069042	19970305	19980914	NICHIACHEMINDLTD			NOGUCHIYASUNOBU
LED DISPLAY AND DISPLAY DEVICE USING IT	H01L33/00 G09F9/33	09036792	19970221	19980902	NICHIACHEMINDLTD			YONEDAHIDEAKI
LED INDICATOR AND SIGNAL LIGHT EMPLOYING IT	H01L33/00 G09F13/20	09053655	19970307	19980925	NICHIACHEMINDLTD			SHINOHARATAKESHI
LED LAMP AND ITS FORMATION METHOD	H01L33/00	10020013	19980130	19981013	NICHIACHEMINDLTD	0918276	19970131	YAMADAMOTOKAZU
LED DISPLAY AND DISPLAY DEVICE USING IT	G09F9/33 H01L33/00	10071016	19980319	19990106	NICHIACHEMINDLTD	0996096	19970414	MITSUMURATATSUHISA YASUOKATAKESHI

LIGHT EMITTING DEVICE, FORMATION THEREOF, GUN TYPE LIGHT EMITTING DIODE, CHIP TYPE LED	H01L33/00 G09F9/00 G09F9/30 G09F9/33	12110454	19961227	20001114	NICHIACHEMINDLTD			NAGAMINEKUNIHIRO IZUNOKUNIHIRO FUJIWARAYUICHI TAKEUCHIISATO
LED DISPLAY DEVICE	G09G3/32 G09G3/20	11340155	19991130	20010608	NICHIACHEMINDLTD			OGUROHIROKI
LIGHT EMITTING DIODE AND LED DISPLAY COMPRISING IT	H01L33/00	12267852	19961227	20010427	NICHIACHEMINDLTD			SHIMIZUYOSHINORI YAMADAMOTOKAZU SAKANOAKIMASA
DISPLAY DEVICE AND LIGHTING METHOD FOR LED DISPLAY UNIT	G09G3/32 G09G3/20 H01L33/00	12276680	19970422	20010518	NICHIACHEMINDLTD			OGUROHIROKI
LED LAMP AND ITS MANUFACTURING METHOD	H01L33/00 H01L23/48	12374864	20001208	20010824	NICHIACHEMINDLTD	11348282	19991208	ARAIKUYA
LED DISPLAY UNIT AND SIGNAL LAMP	G09F13/20	12174538	20000609	20011226	NICHIACHEMINDLTD			SHINOHARATAKESHI
FORMATION OF LED	H01L33/00	11047467	19990225	20000914	NICHIACHEMINDLTD			TAMEMOTOHIROAKI
LED EMITTER AND PLANAR LIGHT EMITTING LIGHT SOURCE	H01L33/00	10313594	19981104	20000516	NICHIACHEMINDLTD			TAMEMOTOHIROAKI
LED DISPLAY UNIT	G09G3/32 G09G3/20 H01L33/00	10209069	19980724	20000208	NICHIACHEMINDLTD			NAGAIYOSHIFUMI
LED DISPLAY UNIT	G09G3/32 G09G3/20	10213035	19980728	20000218	NICHIACHEMINDLTD			NAGAIYOSHIFUMI
LED DISPLAY DEVICE AND CONTROL METHOD THEREOF USING THE SAME	G09G3/20 G06F13/14 G09G3/32 G09F9/33	11023235	19990129	20000811	NICHIACHEMINDLTD			TSUJIRYUHEI
LED DISPLAY DEVICE AND CONTROL METHOD OF LED DISPLAY DEVICE USING THE LED DISPLAY DEVICE	G09G3/32 G09G3/20	14229369	19990129	20030314	NICHIACHEMINDLTD			TSUJIRYUHEI
LED ILLUMINATOR	G09F13/20 F21S8/04 H01L33/00	13167516	20010604	20021213	NICHIACHEMINDLTD			SHINOHARATAKESHI INUZUKATOMOAKI
LIGHT EMITTING DIODE AND LED DISPLAY DEVICE USING THE SAME	H01L33/00 G09F9/33	14280209	19971212	20030425	NICHIACHEMINDLTD	08332553	19961212	SAKANOAKIMASA
LED INDICATOR LAMP	F21S2/00 F21S8/04 F21S8/10 F21V5/02 F21V5/04 G08G1/095 G09F13/20 H01L33/00	13195079	20010627	20030117	NICHIACHEMINDLTD			WATANABEKAZUNORI KATOMASARU
LED ELEMENT	H01L33/00	13236304	20010803	20030221	NICHIACHEMINDLTD			SANOMASAHIKO
LED LAMP AND DISPLAY DEVICE USING THE LED LAMP	H01L33/00	11333332	19991124	20000811	NICHIACHEMINDLTD	10334808	19981125	ARAIKUYA SHIMIZUYOSHINORI
LED DISPLAY EQUIPMENT	F21S2/00 G08G1/095 G09F13/20 H01L33/00	12199116	20000630	20020118	NICHIACHEMINDLTD			WATANABEKAZUNORI KATOMASARU
LED DISPLAY DEVICE	G09F9/33 G09F9/00 H01L33/00	14074821	19971104	20021213	NICHIACHEMINDLTD			TAKAHASHITSUZUKU
LED DISPLAY UNIT	G09F9/33 H01L33/00	13031264	20010207	20020814	NICHIACHEMINDLTD			TAKAHASHITSUZUKU YASUOKATAKESHI
LED UNIT	G09F9/33 G09F13/20 H01L33/00	12275375	20000911	20020327	NICHIACHEMINDLTD			YASUOKATAKESHI
LED UNIT AND ITS MANUFACTURING METHOD	H05K1/11 H01L33/00 H05K3/34 H05K3/40	12366660	20001201	20020614	NICHIACHEMINDLTD			MATSUMOTOHIROFUMI AKIHIROYUKI
LED ILLUMINATING DEVICE	H01L33/00 F21S2/00 F21V19/00 F21V29/00	13103359	20010402	20021011	NICHIACHEMINDLTD			NAKANOKOJI