NAME

  insmntque, **insmntque1** - associate a vnode with a mount

SYNOPSIS

  #include <sys/param.h>
  #include <sys/vnode.h>

  int
  insmntque(*struct vnode *vp*, *struct mount *mp*);

  int
  insmntque1(*struct vnode *vp*, *struct mount *mp*);

DESCRIPTION

  The **insmntque**() function associates a vnode with a mount. This includes updating *v_mount* for the
  vnode, and inserting the vnode into the mount's vnode list.

  The indirect mount reference count, maintained as the count of the vnodes owned by it, is incremented
  for each vnode added to the mount, and that reference is decremented by vgone(9).

  The mount's interlock is held while the vnode is inserted. The vnode must be exclusively locked.

  On failure, **insmntque**() resets vnode' operation vector to the vector of deadfs(9), clears *v_data*, and then
  calls vgone(9) and vput(9). If more elaborated cleanup after **insmntque**() failure is needed, the
  insmntque1() function may be used instead. It does not do any cleanup following a failure, leaving all
  the work to the caller. In particular, the operation vector *v_op* and *v_data* fields of the vnode are kept
  intact.

RETURN VALUES

  The **insmntque**() function will always return 0, unless the file system is currently being unmounted in
  which case it may return EBUSY. Also, **insmntque**() may be forced to insert the vnode into the mount's
  vnode list by setting the *VV_FORCEINSMQ* flag in the vnode *v_flag*, even if the file system is being
  unmounted.

SEE ALSO

  vgone(9)

AUTHORS

  This manual page was written by Chad David <*davidc@acns.ab.ca*>.